References

- Abbe, T.B., D.R. Montgomery, and C. Petroff. 1997. Design of stable in-channel wood debris structures for bank protection and habitat restoration: an example from the Cowlitz River, WA. In Proceedings of the Conference on Management of Landscape Disturbed by Channel Incision, May 19-23.
- Abt, S.R. 1995. Settlement and submergence adjustments for Parshall flume. Journal of Irrigation Drainage Engineering, ASCE 121(5): 317-321.
- Ackers, P., and Charlton. 1970. Meandering geometry arising from varying flows. Journal of Hydrology 11(3): 230-252.
- Ackers P., and W.R. White. 1973. Sediment transport new approach and analysis. American Society of Civil Engineers Proc. Paper 10167. Journal of the Hydraulics Division, ASCE 99(HY11): 2041-2060.
- Adams, W.J., R.A. Kimerle, and J. W. Barnett, Jr. 1992. Sediment quality and aquatic life assessment. Environmental Science and Technology 26(10): 1864-1875.
- Adamus, P.R. 1993. Irrigated wetlands of the Colorado Plateau: information synthesis and habitat evaluation method. EPA/600/R-93/071. U.S. Environmental Protection Agency, Environmental Research Laboratory, Corvallis, Oregon.
- Aldridge, B.N., and J.M. Garrett. 1973. Roughness coefficients for stream channels in Arizona. U.S. Geological Survey Open-File Report. U.S. Geological Survey.
- Allan, J.D. 1995. Stream ecology—structure and function of running waters. Chapman and Hall, New York.
- Allen, E.B. 1995. Mycorrhizal limits to rangeland restoration: soil phosphorus and fungal species composition. In Proceedings of the Fifth International Rangeland Congress, Salt Lake City, Utah.
- Alonso, C.V., and S.T. Combs. 1980. Channel width adjustment in straight alluvial streams. USDA-ARS: 5-31–5-40.

- Alonso, C.V., F.D. Theurer, and D.W. Zachmann. 1996. Sediment Intrusion and Dissolved Oxygen Transport Model—SIDO. Technical Report No. 5. USDA-ARS National Sedimentation Laboratory, Oxford, Mississippi.
- American Public Health Association (APHA). 1995.
 Standard methods for the examination of water and wastewater. 19th ed. American Public Health Association, Washington, DC.
- American Society for Testing Materials (ASTM). 1991. Standard methods for the examinations of water and wastewater. 18th ed. American Public Health Association, Washington, DC.
- American Society of Civil Engineers (ASCE). 1997. Guidelines for the retirement of hydroelectric facilities.
- Ames, C.R. 1977. Wildlife conflicts in riparian management. In Importance, preservation and management of riparian habitat, pp. 39-51. USDA Forest Service General Technical Report RM- 43. Rocky Mountain Forest and Range Experiment Station. Fort Collins, Colorado.
- Anderson, B.W., J. Dissano, D.L. Brooks, and R.D. Ohmart. 1984. Mortality and growth of cottonwood on dredge-spoil. In California riparian systems, eds. R.B. Warner and K.M. Hendrix, pp. 438-444. University of California Press, Berkeley.
- Anderson, B.W., and S.A. Laymon. 1988. Creating habitat for the Yellow-billed Cuckoo (Coccyzus americana). In Proceedings of the California riparian systems conference: protection, management, and restoration for the 1990s, coord. D.L. Abel, pp. 469-472. USDA Forest Service General Technical Report PSW-110. Pacific Southwest Forest and Range Experiment Station, Berkeley, California. Pages 469-472.
- Anderson, B.W., R.D. Ohmart, and J. Disano. 1978. Revegetating the riparian floodplain for wildlife. In Symposium on strategies for protection and management of floodplain wetlands and other riparian ecosystems, pp. 318-331. USDA Forest Service General Technical Report WO-12. B-2 Stream Corridor

References B-1r

- Andrews, E.D. 1980. Effective and bankfull discharges of streams in the Yampa River Basin, Colorado and Wyoming. Journal of Hydrology 46: 311-330.
- Andrews, E.D. 1983. Entrainment of gravel from natural sorted riverbed material. Geological Society of America Bulletin 94: 1225-1231.
- Andrews, E.D. 1984. Bed-material entrainment and hydraulic geometry of gravel-bed rivers in Colorado. Geological Society of America Bulletin 97: 1012-1023.
- Animoto, P.Y. 1978. Erosion and sediment control handbook. WPA 440/3-7-003. State of California Department of Conservation, Sacramento.
- Apmann, R.P. 1972. Flow processes in open channel bends. Journal of the Hydraulics Division, ASCE 98(HY5): 795-810. Apple, L.L., B.H. Smith, J.D. Dunder, and B.W.
- Baker. 1985. The use of beavers for riparian/ aquatic habitat restoration of cold desert, gully-cut stream systems in southwestern Wyoming. G. Pilleri, ed. In Investigations on beavers, G. Pilleri ed., vol. 4, pp. 123-130. Brain Anatomy Institute, Berne, Switzerland.
- Arcement, G.J., Jr., and V.R. Schneider. 1984. Guide for selecting Manning's roughness coefficients for natural channels and flood plains. Federal Highway Administration Technical Report No. FHWA-TS-4-204. U.S. Department of Transportation, Federal Highway Administration, Washington, DC.
- Armour, C.L., and J.G. Taylor. 1991. Evaluation of the Instream Flow Incremental Methodology by U.S. Fish and Wildlife Service field users. Fisheries 16(5).
- Armour, C.L., and S.C. Williamson. 1988. Guidance for modeling causes and effects in environmental problem solving. U.S.. Fish and Wildlife Service Biological Report 89(4).
- Arnold, C., P. Boison, and P. Patton. 1982. Sawmill Brook: an example of rapid geomorphic change related to urbanization. Journal of Geology 90: 155-166.

- Aronson, J.G., and S.L. Ellis. 1979. Monitoring, maintenance, rehabilitation and enhancement of critical Whooping Crane habitat, Platte River, Nebraska. In The mitigation symposium: a national workshop on mitigating losses of fish and wildlife habitats, tech. coord. G.A.
- Swanson, pp. 168- 180. USDA Forest Service General Technical Report. RM-65. Rocky Mountain Forest and Range Experiment Station, Fort Collins, CO.
- Ashmore, P.E., T.R. Yuzyk, and R. Herrington. 1988.
 Bed-material sampling in sand-bed streams.
 Environment Canada Report IWD-HQ-WRB-SS-88- 4.
 Environment Canada, Inland Waters Directorate,
 Water Resources Branch, Sediment Survey Section.
- Atkins, J.B., and J.L. Pearman. 1994. Low-flow and flowduration characteristics of Alabama streams. U.S. Geological Survey Water-Resources Investigations Report 93-4186. U.S. Geological Survey.
- Averett, R.C., and L.J. Schroder. 1993. A guide to the design of surface-water-quality studies. U.S. Geological Survey Open-File Report 93-105. U.S. Geological Survey.
- Baird, K.J. and J.P. Rieger. 1988. A restoration design for Least Bell's Vireo habitat in San Diego County. In Proceedings of the California riparian systems conference: protection, management, and restoration the 1990s, coord. D.L. Abell, pp. 462-467. USDA Forest Service General Technical Report PSW-110. Pacific Southwest Forest and Range Experiment Station, Berkeley, California.
- Baker, B.W., D.L. Hawksworth, and J.G. Graham. 1992. Wildlife habitat response to riparian restoration on the Douglas Creek watershed. In Proceedings of the Fourth Annual Conference, Colorado Riparian Association, Steamboat Springs, Colorado.
- Barinaga, M. 1996. A recipe for river recovery? Science 273: 1648-1650.
- Barnes, H. 1967. Roughness characteristics of natural channels. U.S. Geological Survey Water Supply paper 1849. U.S. Government Printing Office, Washington, DC. References B-3

References B-2r

- Barron, R. 1989. Protecting the Charles River corridor. National Wetlands Newsletter, May-June: 8-10.
- Bartholow, J.M., J.L. Laake, C.B. Stalnaker, S.C. Williamson. 1993. A salmonid population model with emphasis on habitat limitations. Rivers 4: 265-279.
- Bathurst, J.C. 1985. Literature review of some aspects of gravel-bed rivers. Institute of Hydrology, Wallingford, Oxfordshire, U.K.
- Bayley, P.B. 1995. Understanding large river-floodplain ecosystems. BioScience 45(3): 154.
- Bayley, P.B., and H.W. Li. 1992. Riverine fishes. In The rivers handbook, ed. P. Calow and G.E. Petts, vol. 1, pp. 251-281. Blackwell Scientific Publications, Oxford, U.K.
- Begin, Z.B. 1981. Stream curvature and bank erosion: a model based on the momentum equation. Journal of Ecology 89: 497-504.
- Behmer, D.J., and C.P. Hawkins. 1986. Effects of overhead canopy on macroinvertebrate production in a Utah stream. Freshwater Biology 16(3): 287-300.
- Behnke, R.J., and R.F. Raleigh. 1978. Grazing and the riparian zone: impact and management perspectives. In Strategies for protection of floodplain wetlands and other riparian ecosystems, tech. coords. R.R. Johnson and J.F. McCormick, pp. 263-267. USDA Forest Service General Technical Report WO-12. U.S. Depart-ment of Agriculture, Forest Service.
- Belt, G.H., J. O'Laughlin, and T. Merrill. 1992. Design of forest riparian buffer strips for the protection of water quality: analysis of scientific literature. Report No. 8. Idaho Forest, Wildlife and Range Policy Analysis Group, Idaho Forest, Wildlife and Range Experiment Station, Moscow, Idaho.
- Benke, A.C., T.C. Van Arsdall, Jr., D.M. Gillespie, and F.K. Parrish. 1984. Invertebrate productivity in a subtropical blackwater river: the importance of habitat and life history. Ecological Monographs 54: 25-63.
- Benson, M.A., and T. Dalrymple. 1967. General field and office procedures for indirect discharge measurements. In Techniques of water-resources

- investigations of the United States Geological Survey, Book 3, Chapter A1.
- Beschta, R. 1984. TEMP84: A computer model for predicting stream temperatures resulting from the management of streamside vegetation. Report WSDG-AD-00009, USDA Forest Service, Watershed Systems Development Group, Fort Collins, Colorado. U.S. Department of Agriculture, Forest Service.
- Beschta, R.L., W.S. Platts, J.B. Kauffman, and M.T. Hill. 1994. Artificial stream restoration—money well spent or an expensive failure? In Proceedings on Environmental Restoration, Universities Council on Water Resources 1994 Annual Meeting, August 2-5, Big Sky, Montana, pp. 76-104.
- Bettess, R., and W.R. White. 1987. Extremal hypotheses applied to river regime. In Sediment transport in gravel-bed rivers, ed. C.R. Thorne, J.C. Bathurst, and R.D. Hey, pp. 767-789. John Wiley and Sons, Inc., Chichester, U.K.
- Biedenharn, D.S., C.M. Elliott, and C.C. Watson. 1997. The WES stream investigation and streambank stabilization handbook. Prepared for U.S. Environmental Protection Agency by U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, Mississippi.
- Biedenharn, D.S., and C.R. Thorne. 1994. Magnitudefrequency analysis of sediment transport in the Lower Mississippi River. Regulated Rivers: Research and Management 9(4): 237-251.
- Bio West. 1995. Stream Habitat Improvement Evaluation Projec. Bio West, Logan, Utah.
- Bisson, R.A., R.E. Bilby, M.D. Bryant, C.A. Dolloff, G.B. Grette, R.A. House, M.J. Murphy, K V. Koski, and J.R. Sedell. 1987. Large woody debris in forested streams in the Pacific Northwest: past, present, and future. In Streamside management: forestry and fishery interactions, ed. E.O. Salo and T.W. Cundy, pp. 143-190. Institute of Forest Resources, University of Washington, Seattle, Washington. B-4 Stream Corridor
- Blench, T. 1957. Regime behavior of canals and rivers. Butterworths Scientific Publications, London.

References B-3r

- Blench, T. 1969. Coordination in mobile-bed hydraulics. Journal of the Hydraulics Division, ASCE 95(HY6): 1871-98.
- Bond, C.E. 1979. Biology of Fishes. Saunders College Publishing, Philadelphia, Pennsylvania.
- Booth, D., and C. Jackson. 1997. Urbanization of aquatic systems: degradation thresholds, stormwater detection and the limits of mitigation. Journal AWRA 33(5): 1077-1089.
- Booth, D., D. Montgomery, and J. Bethel. 1996. Large woody debris in the urban streams of the Pacific Northwest. In Effects of watershed development and management on aquatic systems, ed. L. Rosner, pp. 178-197. Proceedings of Engineering Foundation Conference, Snowbird, Utah, August 4-9.
- Bourassa, N., and A. Morin. 1995. Relationships between size structure of invertebrate assemblages and trophy and substrate composition in streams. Journal of the North American Benthological Society. 14: 393-403.
- Bovee, K.D. 1982. A guide to stream habitat analysis using the instream flow incremental methodology. Instream Flow Information Paper No. 12 FWS/OBS-82-26. U.S. Fish and Wildlife Service, Biological Services Program, Fort Collins, Colorado.
- Bovee, K.D., T.J. Newcomb, and T.J. Coon. 1994. Relations between habitat variability and population dynamics of bass in the Huron River, Michigan. National Biological Survey Biological Report 22. National Biological Survey.
- Bowie, G. L., W.B. Mills, D.B. Porcella, C.L. Campbell, J.R. Pagenkopf, G.L. Rupp, K.M. Johnson, P.W. H. Chan, and S.A. Gherini. 1985. Rates, constants, and kinetics formulations in surface water quality modeling, 2d ed. EPA/600/ 3-85/040. U.S. Environmental Protection Agency, Environmental Research Laboratory, Athens, Georgia.
- Brady, W., D.R. Patton, and J. Paxson. 1985. The development of southwestern riparian gallery forests. In Riparian ecosystems and their management: reconciling conflicting uses, tech. coords. R.R. Johnson et al., pp. 39-43. USDA Forest. Service

- General Technical Report RM-120, Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colorado.
- Bramblett, R.G., and K.D. Fausch. 1991. Variable fish communities and the Index of Biotic Integrity in a western Great Plains river. Transactions of the American Fisheries Society 120: 752-769.
- Brazier, J.R., and G.W. Brown. 1973. Buffer strips for stream temperature control. Research Paper 15, Paper 865. Oregon State University, School of Forestry, Forest Research Laboratory, Corvallis.
- Briggs, J.C. 1986. Introduction to the zoogeography of North American fishes. In Zoogeography of North American Freshwater Fishes, ed. C.H. Hocutt and E.O. Wiley, pp. 1-16. Wiley Interscience, New York.
- Briggs, M.K. 1992. An evaluation of riparian vegetation efforts in Arizona. Master's thesis, University of Arizona, School of Renewable Natural Resources.
- Briggs, M.K., B.A. Roundy, and W.W. Shaw. 1994. Trial and error—assessing the effectiveness of riparian revegetation in Arizona. Restoration and Management Notes 12(2): 160-167.
- Brinson, M. 1995. The HGM approach explained.
 National Wetlands Newsletter, November-December 1995: 7-13.
- Brinson, M.M., F.R. Hauer, L.C. Lee, W.L. Nutter, R.D. Rheinhardt, R.D. Smith, and D. Whigham. 1995. A guidebook for application of hydrogeomorphic assessments to riverine wetlands. Technical Report WRP-DE-11. U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, Mississippi.
- Brinson, M.M., B.L. Swift, R.C. Plantico, and J.S. Barclay. 1981. Riparian ecosystems: their ecology and status. FWS/OBS-81/17. U.S. Fish and Wildlife Service, Office of Biological Services, Washington, DC. References B-5
- Brookes, A. 1987. Restoring the sinuosity of artificially straightened stream channels. Environmental Geology Water Science 10(1): 33-41.

References B-4r

- Brookes, A. 1988. Channelized rivers: perspectives for environmental management. John Wiley and Sons, Ltd., Chichester, U.K.
- Brookes, A. 1990. Restoration and enhancement of engineered river channels: some European experiences. Regulated Rivers: Research & Management 5(1): 45-56.
- Brookes, A. 1991. Design practices for channels receiving urban runoff: examples from the river Thames catchment, UK. Paper given at Engineering Foundation Conference, Mt. Crested Butte, Colorado, August.
- Brookes, A. 1995. The importance of high flows for riverine environments. In The ecological basis for river management, ed. D.M. Harper and A.J.D. Ferguson. John Wiley and Sons, Ltd., Chichester, U.K.
- Brooks, R.P., E.D. Bellis, C.S. Keener, M.J. Croonquist, and D.E. Arnold. 1991. A methodology for biological monitoring of cumulative impacts on wetland, stream, and riparian components of watershed. In Proceedings of an international symposium: Wetlands and River Corridor Management, July 5-9, 1989, Charleston, South Carolina, ed. J.A. Kusler and S. Daly, pp. 387-398.
- Brown, G.W., and J.T. Krygier. 1970. Effects of clearcutting on stream temperature. Water Resources Research 6: 1133-1139.
- Brownlie, W.R. 1981. Prediction of flow depth and sediment discharge in open channels. Report No. KH-R-43A. California Institute of Technology, W.M. Keck Laboratory of Hydraulics and Water Resources, Pasadena.
- Brouha, P. 1997. Good news for U.S. fisheries. Fisheries 22: 4.
- Brungs, W.S., and B.R. Jones. 1977. Temperature Criteria for Freshwater Fish: Protocols and Procedures. EPA-600/3-77-061. Environ. Research Lab, Ecological Resource Service, U.S. Environmental Protection Agency, Office of Research and Development, Deluth, MN.

- Brush, T. 1983. Cavity use by secondary cavity-nesting birds and response to manipulations. Condor 85: 461-466.
- Bryant, M.D. 1995. Pulsed monitoring for watershed and stream restoration. Fisheries 20(11):6-13.
- Buchanan, T.J., and W.P. Somers. 1969. Discharge measurements at gaging stations. Techniques of water-resources investigations of the United States Geological Survey, Book 3, Chapter A8.
- Budd, W.W., P.L. Cohen, P.R. Saunders, and F.R. Steiner. 1987. Stream corridor management in the Pacific Northwest: I. determination of stream corridor widths. Environmental Management 11: 587-597.
- Burrows, W.J., and D.J. Carr. 1969. Effects of flooding the root system of sunflower plants on the cytokinin content in the xylem sap. Physiologia Plantarum 22: 1105-1112.
- Call, M.W. 1970. Beaver pond ecology and beaver trout relationships in southeastern Wyoming. Ph.D. dissertation, University of Wyoming, Laramie.
- Carling, P. 1988. The concept of dominant discharge applied to two gravel-bed streams in relation to channel stability thresholds. Earth Surface Processes and Landforms 13: 355-67.
- Carothers, S.W. 1979. Distribution and abundance of nongame birds in riparian vegetation in Arizona. Final report to USDA Forest Service, Rocky Mountain Forest and Range Experimental Station, Tempe, Arizona.
- Carothers, S.W., and R.R. Johnson. 1971. A summary of the Verde Valley breeding bird survey, 1970. Completion report FW 16-10: 46-64. Arizona Game and Fish Department. B-6 Stream Corridor
- Carothers, S.W., R.R. Johnson, and S.W. Aitchison. 1974. Population structure and social organization of southwestern riparian birds. American Zoology 14: 97-108.
- Carothers, S.W., G.S. Mills, and R.R. Johnson. 1990.
 The creation and restoration of riparian habitats in southwestern arid and semiarid regions. Wetland

References B-5r

- creation and restoration: the status of the science, vol. 1, regional reviews, ed. J. A. Kusler and M. E. Kentula, pp. 359-376. Island Press, Covelo, California.
- Carson, M.A., and M.J. Kirkby. 1972. Hillslope form and process. Cambridge University Press, London.
- Cavendish, M.G., and M.I. Duncan. 1986. Use of the instream flow incremental methodology: a tool for negotiation. Environmental Impact Assessment Review 6: 347-363.
- Center for Watershed Protection. 1995. Watershed protection techniques, vol. 1, no. 4. Center for Watershed Protection, Silver Spring, Maryland. Summer.
- Chaney, E., W. Elmore, and W.S. Platts. 1990. Livestock grazing on western riparian areas. U.S. Environmental Protection Agency, Region 8.
- Chang, H.H. 1988. Fluvial processes in river engineering. John Wiley and Sons, Ltd., New York.
- Chang, H.H. 1990. Generalized computer program FLUVIAL-12, mathematical model for erodible channels, user's manual. April.
- Chapman, D. W. 1988. Critical review of variables used to define effects of fines in reeds of large salmonids. Transactions American Fisheries Society 1171-21.
- Chapman, R.J., T.M. Hinckley, L.C. Lee, and R.O. Teskey. 1982. Impact of water level changes on woody riparian and wetland communities, vol. X. FWS/OBS-82/23. Fish and Wildlife Service.
- Chen, W.F. 1975. Limit analysis and soil plasticity. Elsevier Scientific Publishing Co., New York.
- Chitale, S.V. 1973. Theories and relationships of river channel patterns. Journal of Hydrology 19(4): 285-308.
- Chow, V.T. 1959. Open channel hydraulics. McGraw-Hill, Inc., New York.
- Chow, Vente, 1964. Handbook of Applied Hydrology, a Comparison of Water-Resources Technology. McGraw Hill, New York.

- Clary, W.P., and B.F. Webster. 1989. Managing grazing of riparian areas in the intermountain region. USDA Forest Service General Technical Report INT-263. USDA Forest Service, Inter-mountain Research Station, Ogden, Utah.
- Colby, B.R. 1964. Practical computations of bed material discharge. Journal of the Hydraulics Division, ASCE 90(HY2).
- Cole, G.A. 1994. Textbook of limnology, 4th ed. Waveland Press, Prospect Heights, Illinois.
- Cole, D.N., and J.L. Marion. 1988. Recreation impacts in some riparian forests of the eastern United States. Environmental Management 12: 99-107.
- Collier, R.H. Webb, and J.C. Schmidt. 1996. Dams and rivers: A primer on the downstream effects of dams. U.S. Geological Survey Circular vol. 1126 (June).
- Collins, T.C. 1976. Population characteristics and habitat relationships of beavers, Castor canadensis, in northwest Wyoming. Ph.D. dissertation, University of Wyoming, Laramie.
- Conroy, S. D., and T. J. Svejcar. 1991. Willow planting success as influenced by site factors and cattle grazing in northeastern California. Journal of Range Management 44 (1): 59-63.
- Cooper, A. C. 1965. The effect of transported stream sediments on survival of sockeye and pink salmon eggs and alevin. Int. Pac. Salmon Fish. Comm., Bulletin No. 18.
- Cooper, C.M., and S.S. Knight. 1987. Fisheries in manmade pools below grade-control structures and in naturally occurring scour holes of unstable streams. Journal of Soil and Water Conservation 42(5): 370-373. References B-7
- Copeland, R.R. 1994. Application of channel stability methods—case studies. Technical Report HL-94-11, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS.
- Coppin, N.J., and I.G. Richards. 1990. Use of vegetation in civil engineering. Construction Industry Research

References B-6r

- and Information Association (CIRIA), London. ISBN 0-408-03849-7.
- Couch, C. 1997. Fish dynamics in urban streams near Atlanta, Georgia. Technical Note 94. Watershed Protection Techniques 2(4):511-514.
- Covich. 1993. Water and ecosystems. In Water in crisis: A guide to the World's Freshwater resources, ed. P.H. Gleick. Oxford University Press, Oxford, United Kingdom.
- Cowan, J. 1959. 'Pre-fab' wire mesh cone gives doves better nest than they can build themselves. Outdoor California 20: 10-11.
- Cowardin, L.W., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep water habitats of the United States. U.S. Fish and Wildlife Service, Washington, DC.
- Crawford, J., and D. Lenat. 1989. Effects of land use on water quality and the biota of three streams in the Piedmont Province of North Carolina. U.S. Geological Survey Water Resources Investigations Report 89-4007. U.S. Geological Survey, Raleigh, North Carolina.
- Croonquist, M.J., and R.P. Brooks. 1991. Use of avian and mammalian guilds as indicators of cumulative impacts in riparian-wetland areas. Environmental Management 15: 701-714.
- Cross, S.P. 1985. Responses of small mammals to forest perturbations. Pages 269-275 in R.R. Herman, R.L. and F.P. Meyer. 1990. Fish Kills Due to Natural Causes. In F.P. Field Manual for the Investigation of Fish Kills. F.P. Meyer and L.A. Barcaly (Eds.). United States Department of the Interior, Fish and Wildlife Service, Arlington, Virginia.
- Cummins, K.W. 1974. The structure and function of stream ecosystems. BioScience 24:631-641.
- Darby, S.E., and C.R. Thorne. 1992. Approaches to modelling width adjustment in curved alluvial channels. Working Paper 20, Department of Geography, University of Nottingham, U.K.

- Darby, S.E., and C.R. Thorne. 1996. Numerical simulation of widening and bed deformation of straight sand-bed rivers. Journal of Hydraulic Engineering 122:184-193. ISSN 0733-9429.
- DeBano, L.F., and L.J. Schmidt. 1989. Improving southwestern riparian areas through water and management. USDA Forest Service, General Technical Report RM-182. U.S. Department of Agriculture, Forest Service.
- Department of the Interior (DOI), Department of Commerce, and Lower Elwha S'Klallam Tribe. 1994. The Elwha report: restoration of the Elwha River ecosystem and native anadromous fisheries. U.S. Government Printing Office 1994- 590-269.
- Dickason, C. 1988. Improved estimates of ground water mining acreage. Journal of Soil and Water Conservation 43(1988): 239-240.
- Dirr, M.A., and C.W. Heuser. 1987. The reference manual of woody plant propagation. Varsity Press, Athens, Georgia.
- Dissmeyer, G.E. 1994. Evaluating the effectiveness of forestry best management practices in meeting water quality goals or standards. USDA Forest Service Miscellaneous Publication 1520, Southern Region, Atlanta, Georgia.
- Dolloff, C.A., P.A. Flebbe, and M.D. Owen. 1994. Fish habitat and fish populations in a southern Appalachian watershed before and after Hurricane Hugo. Transactions of the American Fisheries Society 123(4): 668-678.
- Downs, P.W. 1995. River channel classification for channel management purposes. In Changing river channels, ed. A. Gurnell and G. Petts. John Wiley and Sons, Ltd., New York.
- Dramstad, W.E., J.D. Olson and R.T. Gorman. 1996. Landscape ecology principles in landscape architecture and land-use planning. Island Press, Washington, DC. B-8 Stream Corridor
- Dubos, R. 1981. Celebration of life. McGraw-Hill, New York.

References B-7r

- Dunne, T., and L.B. Leopold. 1978. Water in environmental planning. W.H. Freeman Co., San Francisco.
- Dunne, T. 1988. Geomorphologic contributions to flood control planning. In Flood geomorphology, pp. 421-438. John Wiley and Sons, Ltd., New York.
- Dunster, J., and K. Dunster. 1996. Dictionary of natural resource management. University of British Columbia. April. ISBN: 077480503X.
- Dury, G.H. 1973. Magnitude-frequency analysis and channel morphology. In Fluvial Geomorphology, ed. M. Morisaua, pp. 91-121. Allen & Unwin.
- Edminster, F.C., and W.S. Atkinson. 1949. Streambank erosion control on the Winooski River, Vermont. USDA Circular No. 837. U.S. Department of Agriculture, Washington, DC.
- Einstein, H.A. 1950. The bed-load function for sediment transportation in open channel flows. U.S. Department of Agriculture Technical Bulletin 1026. U.S. Department of Agriculture, Washington, DC.
- Electric Power Research Institute (EPRI). 1996. EPRI's CompMech suite of modeling tools population-level impact assessment. Publication WO3221. Electric Power Research Institute, Palo Alto, California.
- Elmore, W., and R.L. Beschta. 1987. Riparian areas: perceptions in management. Rangelands 9: 260-265.
- Elmore, W., and J.B. Kauffman. 1994. Riparian and watershed systems: degradation and restoration. In Ecological implications of livestock herbivory in the West, ed. M. Vavra, W.A. Laycock, and R.D. Piper, pp. 211-232. Society for Range Management, Denver, CO.
- Emmett, W.M. 1975. The channels and waters of the Upper Salmon River Area, Idaho. USGS Professional Paper 870-A, Washington, D.C.
- Engelund, F., and E. Hansen. 1967. A monograph on sediment transport in alluvial streams. Danish Technical Press (Teknisk Forlag).

- Entry, J.A., P.K. Donnelly, and W.H. Emmingham. 1995. Atrazine and 2,4-D mineralization in relation to microbial biomass in soils of young-, second-, and oldgrowth riparian forests. Applied Soil Ecology 2: 77-84.
- Erman, N.A. 1991. Aquatic invertebrates as indicators of biodiversity. In Proceedings of a Symposium on Biodiversity of Northwestern California, Santa Rosa, California. University of California, Berkeley.
- Fan, S.S., ed. 1988. Twelve selected computer stream sedimentation models developed in the United States. In Proceedings of the Interagency Symposium on Computer Stream Sedimentation Models, Denver, CO, October 1988. Federal Energy Regulatory Commission, Washington, DC.
- Fan, S.S., and B.C. Yen, eds. 1993. Report on the Second Bilateral Workshop on Understanding Sedimentation Processes and Model Evaluation, San Francisco, CA, July 1993. Proceedings published by the Federal Energy Regulatory Commission, Washington, DC.
- Fausch, K.D., J.R. Karr, and P.R. Yant. 1984. Regional association of an Index of Biotic Integrity based on stream fish communities. Transactions of the American Fisheries Society 113: 39-55.
- Federal Energy Regulatory Commission (FERC). 1996. Reservoir release requirements for fish at the New Don Pedro Project, California. Final Environmental Impact Statement. Office of Hydropower Licensing, FERC-EIS-0081F.
- Federal Interagency Sedimentation Project. 1986.
 Catalog of instruments and reports for fluvial sediment investigations. Federal InterAgency Sedimentation Project, Minneapolis, Minnesota.
- Feminella, J.W., and W.J. Matthews. 1984. Intraspecific differences in thermal tolerance of Etheostoma spectabile (Agassiz) in constant versus fluctuating environments. Journal of Fisheries Biology 25: 455-461. References B-9
- Fennessey, N.M., and R.M. Vogel. 1990. Regional flowduration curves for ungaged sites in Massachusetts. Journal of Water Resources Planning and Management, ASCE 116 (4): 530-549.

References B-8r

- Ferguson, B.K. 1991. Urban stream reclamation. Journal of Soil and Water Conservation 46(5): 324-328.
- Flessner, T.R., D.C. Darris, and S.M. Lambert. 1992. Seed source evaluation of four native riparian shrubs for streambank rehabilitation in the Pacific Northwest. In Symposium on ecology and management of riparian shrub communities, pp. 155-162. USDA Forest Service General Technical Report INT-289. U.S. Department of Agriculture, Forest Service.
- Flosi, G., and F.L. Reynolds. 1994. California salmonid stream habitat restoration manual. 2nd ed. California Department of Fish and Game, Sacramento.
- Fogg, J.L. 1995. River channel restoration: guiding principles for sustainable projects, ed. A.
- Brookes and F.D. Shields. John Wiley and Sons. ISBN: 0471961396.
- Fordham, A.J., and L.S. Spraker. 1977. Propagation manual of selected gymnosperms. Arnoldia 37: 1-88.
- Forman, R.T.T. 1995. Land mosaics: the ecology of landscapes and regions. Cambridge University Press, Great Britain.
- Forman, R.T.T., and M. Godron. 1986. Landscape ecology. John Wiley and Sons, New York.
- Fortier, S., and F.C. Scobey. 1926. Permissible canal velocities. Transactions of the ASCE 89: 940-956.
- Francfort, J.E., G.F. Cada, D.D. Dauble, R.T. Hunt, D.W. Jones, B.N. Rinehart, G.L. Sommers, and R.J. Costello. 1994. Environmental mitigation at hydroelectric projects. Vol. II. Benefits and costs of fish passage and protection. DOE/ID-10360(V2). Prepared for U.S. Department of Energy, Idaho Operations Office by Idaho National Engineering Laboratory, EG&G Idaho, Inc., Idaho Falls, Idaho.
- Fredrickson, L.H. 1978. Lowland hardwood wetlands: current status and habitat values for wildlife. In Wetland functions and values: the state of our understanding, ed. P.E. Greeson, V.R. Clark, and J.E. Clark. American Water Resources Association, Minneapolis, Minnesota.

- Fredrickson, L.H., and T.S. Taylor. 1982. Management of seasonally flooded impoundments for wildlife. U.S.
 Fish and Wildlife Service Resource Publication 148.
 U.S. Fish and Wildlife Service. French, R.H. 1985.
 Open-channel hydraulics. McGraw-Hill Publishing Co., New York.
- Fretwell, S.D., and H.L. Lucas. 1970. On territorial behavior and other factors influencing habitat distribution in birds. I. Theoretical development. Acta Biotheoretica 19: 16-36.
- Friedman, J.M., M.L. Scott, and W.M. Lewis, Jr. 1995. Restoration of riparian forests using irrigation, disturbance, and natural seedfall. Environmental Management 19: 547-557.
- Frissell, C.A., W.L. Liss, C.E. Warren, and M.D. Hurley. 1986. A hierarchial framework for stream habitat classification: viewing streams in a watershed context. Environmental Management 10:199-214.
- Galli, J. 1991. Thermal impacts associated with urbanization and stormwater best management practices. Metropolitan Washington Council of Governments, Maryland Department of Environment, Washington, DC.
- Garcia, M.H., L. Bittner, and Y. Nino. 1994. Mathematical modeling of meandering streams in Illinois: a tool for stream management and engineering. Civil Engineering Studies, Hydraulic Engineering Series No. 43, University of Illinois, Urbana.
- Garcia de Jalon, D. 1995. Management of physical habitat for fish stocks. In The ecological basis for river management, ed. D.M. Harper and J.D.
- Ferguson, pp. 363-374. John Wiley & Sons, Chichester.
- Gebert, W.A., D.J. Graczyk, and W.R. Krug. 1987.
 Average annual runoff in the United States, 1951-80.
 Hydrological Investigations Atlas. HA-710. U.S.
 Geological Survey, Reston, Virginia. B-10 Stream
 Corridor
- Glasgow, L. and R. Noble. 1971. The importance of bottomland hardwoods to wildlife. Pages 30-43 in Proceedings of the Symposium on Southeast

References B-9r

- Hardwoods, Dothan, Alabama, pp. 30-43. U.S. Department of Agriculture, Forest Service.
- Gilbert, R.O. 1987. Statistical methods for environmental pollution monitoring. VanNostrand Reinhold, New York.
- Goldman, S.J., K. Jackson, and T.A. Bursztynsky. 1986. Erosion and sediment control handbook. McGraw Hill Book Company, New York.
- Goldner, B.H. 1984. Riparian restoration efforts associated with structurally modified flood control channels. In California riparian systems, ed. R.B. Warner and K.M. Hendrix, pp. 445-451. University of California Press, Berkeley.
- Gomez, B. and M. Church. 1989. An assessment of bedload transport formulae for gravel bed rivers. Water Resources Research 25(6): 1161-1186.
- Gordon, N.D., T.A. McMahon, and B.L. Finlayson. 1992. Stream hydrology: an introduction for ecologists. John Wiley & Sons, Chichester, U.K.
- Gosselink, J.G., G.P. Shaffer, L.L. Lee, D.M. Burdick, D.L. Childres, N.C. Leibowitz, S.C. Hamilton, R. Boumans, D. Cushman, S. Fields, M. Koch, and J.M. Visser. 1990. Landscape conservation in a forested watershed: can we manage cumulative impacts? BioScience 40(8): 588-600.
- Grant, G.E., F.J. Swanson, and M.G. Wolman. 1990.
 Pattern and origin of stepped-bed morphology in highgradient streams, Western Cascades, Oregon.
 Geological Survey of America Bulletin 102:340-352.
- Gregory, K., R. Davis and P. Downs. 1992. Identification of river channel change due to urbanization. Applied Geography 12:299-318.
- Gregory, S.V., F.J. Swanson, W.A.McKee, and K.W. Cummins. 1991. An ecosystem perspective on riparian zones. Bioscience 41:540-551.
- Griffiths, G.A. 1981. Stable-channel design in gravel-bed rivers. Journal of Hydrology 52(3/4): 291-305.
- Grissinger, E.H., W.C. Little, and J.B. Murphey. 1981. Erodibility of streambank materials of low cohesion.

- Transactions of the American Society of Agricultural Engineers 24(3): 624-630. Guy and Norman. 1982. Techniques for water-resource investigations, field measures for measurement of fluvial sediment. U.S. Geological Survey.
- Haan, C.T., B.J. Barfield, and J.C. Hayes. 1994. Design hydrology and sedimentation for small catchments. Academic Press, San Diego.
- Hackney, C.T., S.M. Adams, and W.H. Martin, eds. 1992. Biodiversity of the southeastern United states: aquatic communities. John Wiley and Sons, New York.
- Haferkamp, M.R., R.F. Miller, and F.A. Sneva. 1985. Seeding rangelands with a land imprinter and rangeland drill in the Palouse Prairie and sagebrush-bunchgrass zone. In Proceedings of Vegetative Rehabilitation and Equipment Workshop, U.S. Forest Service, 39th Annual Report, Salt Lake City, Utah, pp. 19-22.
- Hagerty, D.J. 1991. Piping/sapping erosion I: basic considerations. Journal of Hydraulic Engineering 117(8): 997-998.
- Hammitt, W.E., and D.N. Cole. 1987. Wildland recreation: ecology and management. John Wiley and Sons, New York.
- Handy, R.L., and J.S. Fox. 1967. A soil borehole directshear test device. Highway Research News 27: 42-51.
- Hansen, P.L., R.D. Pfister, K. Boggs, B.J. Cook, J. Joy, and D.K. Hinckley. 1995. Classification and management of Montana's riparian and wetland sites.
 Montana Forest and Conservation Experiment Station, School of Forestry, University of Montana.
 Miscellaneous Publication No. 54. Missoula.
 References B-11
- Harrelson, C.C., C.L. Rawlins, and J.P. Potyondy. 1994. Stream channel reference sites: an illustrated guide to field technique. General Report No. RM-245. U.S. Department of Agriculture, Forest Service, Fort Collins, Colorado.
- Harris, L.D. 1984. The fragmented forest. University of Chicago Press, Chicago, Illinois.

References B-10r

- Hartmann, H., and D.E. Kester. 1983. Plant propagation: principles and practice. Prentice-Hall, Englewood Cliffs, New Jersey. Hartman, G., J.C. Scrivener, L.B. Holtby, and
- L. Powell. 1987. Some effects of different streamside treatments on physical conditions and fish population processes in Carnation Creek, a coastal rain forest stream in British Columbia. In Streamside management: forestry and fishery interactions. ed. E.O. Salo and T.W. Cundy, pp. 330-372. Inst. of Forest Resources, University of Washington, Seattle.
- Hasfurther, V.R. 1985. The use of meander parameters in restoring hydrologic balance to reclaimed stream beds. In The restoration of rivers and streams: theories and experience, ed. J.A. Gore. Butterworth Publishers, Boston.
- Heiner, B.A. 1991. Hydraulic analysis and modeling of fish habitat structures. American Fisheries Society Symposium 10: 78-87.
- Helwig, P.C. 1987. Canal design by armoring process. In Sediment transport in gravel-bed rivers, ed. C.R. Thorne, J.C. Bathurst, and R.D. Hey. John Wiley and Sons, Ltd., New York.
- Hemphill, R.W., and M.E. Bramley 1989. Protection of river and canal banks. Construction Industry Research and Information Association/ Butterworths, London.
- Henderson, F.M. 1966. Open channel flow. The Macmillan Company, New York.
- Henderson, J.E. 1986. Environmental designs for streambank protection projects. Water Resources Bulletin 22(4): 549-558.
- Hey, R.D. 1975. Design discharge for natural channels. In Science, Technology and Environmental Management, ed. R.D. Hey and T.D. Davies, pp. 73-88. Saxxon House, Farnborough.
- Hey, R.D. 1976. Geometry of river meanders. Nature 262: 482-484.
- Hey, R.D. 1988. Mathematical models of channel morphology. In Modeling geomorphological systems,

- ed. M.G. Anderson, pp. 99-126. John Wiley and Sons, Chichester
- Hey, R.D. 1990. Design of flood alleviation +schemes: Engineering and the environment. School of Environmental Sciences, University of East Anglia, Norwich, United Kingdom.
- Hey, R.D. 1994. Restoration of gravel-bed rivers: principles and practice. In "Natural" channel design: perspectives and practice, ed. D. Shrubsole, pp. 157-173. Canadian Water Resources Association, Cambridge, Ontario.
- Hey, R.D. 1995. River processes and management. In Environmental science for environmental management. ed. T. O'Riordan, pp. 131-150. Longman Group Limited, Essex, U.K., and John Wiley, New York.
- Hey, R.D., and C.R. Thorne. 1986. Stable channels with mobile gravel beds. Journal of Hydraulic Engineering 112(8): 671-689.
- Hey, R.D. 1997. Personal communication.
- Higginson, N.N.J., and H.T. Johnston. 1989. Riffle-pool formations in northern Ireland rivers. In Proceedings of the International Conference on Channel Flow and Catchment Runoff, pp. 638-647.
- Hilsenhoff, W.L. 1982. Using a biotic index to evaluate water quality in streams. Department of Natural Resources, Madison, Wisconsin.
- Hoag, J.C. 1992. Planting techniques from the Aberdeen, ID, plant materials center for vegetating shorelines and riparian areas. In Symposium on ecology and management of riparian shrub communities, pp. 165-166. USDA Forest Service General Technical Report INT-289. B-12 Stream Corridor
- Hocutt, C.H. 1981. Fish as indicators of biological integrity. Fisheries 6(6): 28-31.
- Hoffman, C.H., and B.D. Winter. 1996. Restoring aquatic environments: a case study of the Elwha River. In National parks and protected areas: their role in environmental protection, ed. R.G. Wright, pp. 303-323. Blackwell Science, Cambridge.

References B-11r

- Hollis, F. 1975. The effects of urbanization on floods of different recurrence intervals. Water Resources Research 11: 431-435.
- Holly, M.F. Jr., J.C. Yang, P. Schwarz, J. Schaefer, S.H. Su, and R. Einhelling. 1990. CHARIMA Numerical simulation of unsteady water and sediment movement in multiply connected network of mobile-bed channels. IIHR Report No. 343. lowa Institute of Hydraulic Research, The University of Iowa, Iowa City.
- Holmes, N. 1991. Post-project appraisal of conservation enhancements of flood defense works. Research and Development Report 285/ 1/A. National Rivers Authority, Reading, U.K.
- Hoover, R.L., and D.L. Wills, eds. 1984. Managing forested lands for wildlife. Colorado Division of Wildlife, Denver.
- Horton, R.E. 1933. The role of infiltration in the hydrologic cycle. EOS, American Geophysical Union Transactions 14: 446-460.
- Horton, R.E. 1945. Erosional development of streams and their drainage basins: hydrophysical approach to quantitative morphology. Geological Society of America Bulletin 56: 275-370.
- Horwitz, R.J. 1978. Temporal variability patterns and the distributional patterns of stream fishes. Ecology Monographs 48: 301-321.
- Horwitz, A.J., Demas, C.R. Fitzgerald, K.K. Miller, T.L., and Rickert, D.A. 1994. U.S. Geological Survey protocol for the collection and processing of surfacewater samples for the subsequent determination of inorganic constituents in filtered water. U.S. Geological Survey Open-File Report 94-539.
- Howard, A.D. 1967. Drainage analysis in geologic interpretation: a summation. Bulletin of the American Association of Petroleum Geologists 51: 2246-59.
- Hunt, G.T. 1993. Concerns over air pollution prompt more controls on construction. Engineering News-Record, pp. E-57 to E-58.

- Hunt, W.A., and R.O. Graham. 1975. Evaluation of channel changes for fish habitat. ASCE National Convention meeting reprint (2535).
- Hunter, C.J. 1991. Better trout habitat: a guide to stream restoration and management. Island Press. November. ISBN: 0933280777.
- Huryn, A.D., and J.B. Wallace. 1987. Local geomorphology as a determinant of macrofaunal production in a mountain stream. Ecology 68: 1932-1942.
- Hutchison, N.E. 1975. WATSTORE User's Guide -National Water Data Storage and Retrieval System, vol. 1. U.S. Geological Survey Open-File Report 75-426. U.S. Geological Survey.
- Hynes, H.B.N. 1970. The ecology of running waters. University of Liverpool Press, Liverpool, England.
- Ikeda, S., and N. Izumi. 1990. Width and depth of selfformed straight gravel rivers with bank vegetation. Water Resources Research 26(10): 2353-2364.
- Ikeda, S., G. Parker, and Y. Kimura. 1988. Stable width and depth of straight gravel rivers with heterogeneous bed materials. Water Resources Research 24(5): 713-722.
- Inglis, C.C. 1949. The behavior and control of rivers and canals. U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, Mississippi.
- Interagency Advisory Committee on Water Data (IACWD), Hydrology Subcommittee. 1982. Guidelines for determining flood flow frequency. Bulletin 17B of the Hydrology Subcommittee, Office of Water Data Coordination, U.S. Geological Survey, Reston, Virginia. References B-13
- Interagency Ecosystem Management Task Force. 1995.
 The ecosystem approach: healthy ecosystems and sustainable economies, vol. I, Overview. Council on Environmental Quality, Washington, DC.
- Iversen, T.M., B. Kronvang, B.L. Madsen, P. Markmann, and M.B. Nielsen. 1993. Re-establishment of Danish streams: restoration and maintenance measures.

References B-12r

- Aquatic Conservation: Marine and Freshwater Ecosystems 3: 73-92.
- Jackson, W.L., and B.P. Van Haveren. 1984. Design for a stable channel in coarse alluvium for riparian zone restoration. Water Resources Bulletin, American Water Resources Association 20(5): 695-703.
- Jacoby, P.W. 1987. Chemical control. Vegetative Rehabilitation and Equipment Workshop, 41st Annual Report. U.S. Forest Service, Boise, Idaho.
- Jacoby, P.W. 1989. A glossary of terms used in range management. 3d ed. Society for Range Management, Denver, Colorado.
- Jager, H.I., D.L. DeAngelis, M.J. Sale, W. Van Winkle, D.D. Schmoyer, M.J. Sabo, D.J. Orth, and J.A. Lukas. 1993. An individual-based model for smallmouth bass reproduction and young-of-year dynamics in streams. Rivers 4: 91-113.
- Jansen, P., L. Van Bendegom, J. Van den Berg, M. De Vries, and A. Zanen. 1979. Principles of river engineering. Pitman Publishers Inc., Belmont, California.
- Java, B.J., and R.L. Everett. 1992. Rooting hardwood cuttings of Sitka and thinleaf alder. Pages 138-141 in Symposium on ecology and management of riparian shrub communities. USDA Forest Service General Technical Report INT-289. U.S. Department of Agriculture, Forest Service.
- Jennings, M.E., W.O. Thomas, Jr., and H.C. Riggs. 1994. Nationwide summary of U.S. Geological Survey regional regression equations for estimating magnitude and frequency of floods for ungaged sites 1993. U.S. Geological Survey Water-Resources Investigations Report 94-4002. U.S. Geological Survey.
- Jensen, M.E., R.D. Burmand, and R.G. Allen, eds. 1990. Evapotranspiration and irrigation water requirements. American Society of Civil Engineers.
- Johannesson, H., and G. Parker. 1985. Computer simulated migration of meandering rivers in Minnesota. Project Report No. 242. St. Anthony Falls Hydraulic Laboratory, University of Minnesota.

- Johnson, A.W., and J.M. Stypula, eds. 1993. Guidelines for bank stabilization projects in riverine environments of King County. King County Department of Public Works, Surface Water Management Division, Seattle, Washington.
- Johnson, C.D. Ziebell, D.R. Patton, P.F. Ffolliott, and R.H. Hamre, tech. coords. 1977. Riparian ecosystems and their management: reconciling conflicting uses. General Technical Report RM-120. U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colorado.
- Johnson, R.R. 1971. Tree removal along southwestern rivers and effects on associated organisms. Amer. Phil. Soc. Yearbook 1970: 321-322.
- Johnson, R.R., and S.W. Carothers. 1982. Riparian habitats and recreation: Interrelationships and impacts in the southwest and rocky mountain region. USDA Forest Service, Rocky Mountain Forest and Range Experiment Station, Eisenhower Consortium, Bulletin 12.
- Johnson, R.R., and C.H. Lowe. 1985. On the development of riparian ecology. In Riparian ecosystems and their management: Reconciling conflicting uses, tech coords. R.R. Johnson et al., pp. 112-116. USDA Forest Service General Technical Report RM-120. Rocky Mountain Forestry and Range Experimental Station, Fort Collins, Colorado.
- Johnson, R.R., and J.M. Simpson. 1971. Important birds from Blue Point Cottonwoods, Maricopa County, Arizona. Condor 73: 379-380.
- Johnson, W.C. 1994. Woodland expansion in the Platte River, Nebraska: patterns and causes. Ecological Monographs 64: 45-84. B-14 Stream Corridor
- Junk, W.J., P.B. Bayley, and R.E. Sparks. 1989. The floodpulse concept in river-floodplain systems. In Proceedings of the International Large River Symposium, ed. D.P. Dodge, pp. 110-127. Can. Spec. Publ. Fish. Aquat. Sci. 106.
- Kalmbach, E.R., W.L. McAtee, F.R. Courtsal, and R.E. Ivers. 1969. Home for birds. U.S. Department of the

References B-13r

- Interior, Fish and Wildlife Service, Conservation Bulletin 14.
- Karle, K.F., and R.V. Densmore. 1994. Stream and riparian floodplain restoration in a riparian ecosystem disturbed by placer mining. Ecological Engineering 3: 121-133.
- Karr, J.R. 1981. Assessment of biotic integrity using fish communities. Fisheries 6(6): 21-27.
- Karr, J.R., and W. Chu. 1997. Biological monitoring and assessment: using multimetric indexes effectively. EPA 235-R97-001. University of Washington, Seattle.
- Karr, J.R., K.D. Fausch, P.L. Angermeier, P.R. Yant, and I.J. Schlosser. 1986. Assessing biological integrity in running waters: a method and its rationale. Illinois Natural History Survey Special Publication No. 5.
- Kasvinsky, J.R. 1968. Evaluation of erosion control measures on the Lower Winooski River, Vermont. Master's thesis, Graduate College, University of Vermont, Burlington, Vermont.
- Kauffman, J.B., R.L. Beschta, and W.S. Platts. 1993.
 Fish habitat improvement projects in the Fifteenmile
 Creek and Trout Creek basins of Central Oregon: field review and management recommendations. U.S.
 Department of Energy, Bonneville Power
 Administration, Portland, Oregon.
- Kauffman, J.B., and W.D. Krueger. 1984. Livestock impacts on riparian ecosystems and streamside management implications: a review. Journal of Range Management 37: 430-438.
- Keller, E.A. 1978. Pools, riffles, and channelization. Environmental Geology 2(2): 119-127.
- Keller, E.A., and W.N. Melhorn. 1978. Rhythmic spacing and origin of pools and riffles. Geological Society of America Bulletin (89): 723-730.
- Kentula, M.E., R.E. Brooks, S.E. Gwin, C.C. Holland, A.D. Sherman, and J.C. Sinfeos. 1992. An approach to improving decision making in wetland restoration and creation. Island Press, Washington, DC.

- Kerchner, J.L. 1997. Setting riparian/aquatic restoration objectives within a watershed context. Restoration Ecology 5(45).
- Kern, K. 1992. Restoration of lowland rivers: the German experience. In Lowland floodplain rivers: geomorphological perspectives, ed. P.A. Carling and G.E. Petts, pp. 279-297. John Wiley and Sons, Ltd., Chichester, U.K.
- King, R. 1987. Designing plans for constructibility. Journal of Construction and Management 113:1-5.
- Klemm, D. J., P.A. Lewis, F. Fulk, and J. M. Lazorchak. 1990. Macroinvertebrate field and laboratory methods for evaluating the biological integrity of surface waters. EPA/600/4-90-030. Environmental Monitoring Systems Laboratory, Cincinnati, Ohio.
- Klimas, C.V. 1987. River regulation effects on floodplain hydrology and ecology. Chapter IV in The ecology and management of wetlands, ed. D. Hook et al. Croom Helm, London.
- Klimas, C.V. 1991. Limitations on ecosystem function in the forested corridor along the lower Mississippi River. In Proceedings of the International Symposium on Wetlands and River Corridor Management, Association of State Wetland Managers, Berne, New York, pp. 61-66.
- Knighton, David. 1984. Fluvial forms and process. Edward Arnold, London.
- Knopf, F.L. 1986. Changing landscapes and the cosmopolitanism of the eastern Colorado avifauna. Wildlife Society Bulletin 14: 132-142. References B-15
- Knopf, F.L., and R.W. Cannon. 1982. Structural resilience of a willow riparian community to changes in grazing practices. In Proceedings of Wildlife-Livestock Relationships Symposium, pp. 198-210. University of Idaho Forest, Wildlife and Range Experiment Station, Moscow, Idaho.
- Knopf, F.L., R.R. Johnson, T. Rich, F.B. Samson, and R.C. Szaro. 1988. Conservation of riparian systems in the United States. Wilson Bulletin 100: 272-284.

References B-14r

- Knott, J.M., G.D. Glysson, B.A. Malo, and L.J. Schroder. 1993. Quality assurance plan for the collection and processing of sediment data by the U.S. Geological Survey, Water Resources Division. U.S. Geological Survey Open-File Report 92-499. U.S. Geological Survey.
- Knott, J.M., C.J. Sholar, and W.J. Matthes. 1992. Quality assurance guidelines for the analysis of sediment concentration by the U.S. Geological Survey sediment laboratories. U.S. Geological Survey Open-File Report 92-33. U.S. Geological Survey.
- Kohler, C.C., and W.A. Hubert. 1993. Inland Fisheries Management in North America. American Fisheries Society, Bethesda. Maryland.
- Kohler, M.A., T.J. Nordenson, and D.R. Baker. 1959.Evaporation maps for the United States. U.S. Weather Bureau Technical Paper 37.
- Kondolf, G.M. 1995. Five elements for effective evaluation of stream restoration. Restoration Ecology 3(2): 133-136.
- Kondolf, G.M., and E.R. Micheli. 1995. Evaluating stream restoration projects. Environmental Management 19(1): 1-15.
- Krebs, C.J. 1978. Ecology: the experimental analysis of distribution and abundance, 2d ed. Harper and Row, New York.
- Lamb, B.L. 1984. Negotiating a FERC license for the Terror River Project. Water for Resource Development, Proceedings of the Conference, American Society of Civil Engineeers, August 14-17, 1984, ed. D.L. Schreiber, pp. 729-734.
- Lamberti, G.A., and V.H. Resh. 1983. Stream periphyton and insect herbivores: an experimental study of grazing by a caddisfly population. Ecology 64: 1124-1135.
- Landin, M.C. 1995. The role of technology and engineering in wetland restoration and creation. In Proceedings of the National Wetland Engineering Workshop, August 1993, ed. J.C. Fischenich et al. Technical Report WRP-RE-8. U.S. Army Engineer

- Waterways Experiment Station, Vicksburg, Mississippi.
- Landres, P.B., J. Verner, and J.W. Thomas. 1988. Ecological uses of vertebrate indicator species: a critique. Conservation Biology 2: 316-328.
- Lane, E.W. 1955. The importance of fluvial morphology in hydraulic engineering. Proceedings of the American Society of Civil Engineers 81(745): 1-17.
- Laursen, E.L. 1958. The total sediment load of streams. Journal of the Hydraulics Division, ASCE 84(HY1 Proc. Paper 1530): 1-36.
- Leclerc, M., A. Boudreault, J.A. Bechara, and G. Corfa. 1995. Two-dimensional hydrodynamic modeling: a neglected tool in the Instream Flow Incremental Methodology. Transactions of the America Fisheries Society. 124: 645-662.
- Lee, L.C., and T.M. Hinckley. 1982. Impact of water level changes on woody riparian and wetland communities, vol. IX. FWS/OBS-82/22. Fish and Wildlife Service.
- Lee, L.C., T.A. Muir, and R.R. Johnson. 1989. Riparian ecosystems as essential habitat for raptors in the American West. In Proceedings of the Western Raptor Management Symposium and Workshop, ed. B.G. Pendleton, pp. 15-26. Institute for Wildlife Research, National Wildlife Federation. Sci. and Tech. Ser. No. 12.
- Leonard, P.M., and D.J. Orth. 1986. Application and testing of an Index of Biotic Integrity in small, coolwater streams. Transactions of the American Fisheries Society 115: 401-14.
- Leopold, A. 1933. The conservation ethic. Journal of Forestry 31. B-16 Stream Corridor
- Leopold, A. 1953. Round river. From the journals of Aldo Leopold, ed. Luna Leopold. Oxford University Press, New York.
- Leopold, L.B., 1994. A view of the river. Harvard University Press, Cambridge, Massachusetts.
- Leopold, L.B., and T. Maddock, Jr. 1953. The hydraulic geometry of stream channels and some physiographic

References B-15r

- implications. Geological Survey Professional Paper 252. U.S. Geological Survey, Washington, DC.
- Leopold, L.B., H.L. Silvey, and D.L. Rosgen. 1997. The reference reach field book. Wildland Hydrology, Pagosa Springs, Colorado.
- Leopold, L.B., M.G. Wolman, and J.P. Miller. 1964. Fluvial processes in geomorphology. W.H. Freeman and Company, San Francisco.
- Liebrand, C.I., and K.V. Sykora. 1992. Restoration of the vegetation of river embankments after reconstruction. Aspects of Applied Biology 29: 249-256.
- Livingstone, A.C., and C.F. Rabeni. 1991. Food-habit relations that determine the success of young-of-year smallmouth bass in Ozark streams. In Proceedings of the First International Symposium on Smallmouth Bass, ed. D.C. Jackson. Mississippi Agriculture and Forest Experiment Station, Mississippi State University.
- Lodge, D.M. 1991. Herbivory on freshwater macrophytes. Aquatic Botany 41: 195-224.
- Loeb, S.L., and A. Spacie. 1994. Biological monitoring of aquatic systems. Papers presented at a symposium held Nov. 29- Dec. 1, 1990, at Purdue University. Lewis Publishers, Boca Raton, Florida.
- Lohnes, R.A., and R.L. Handy. 1968. Slope angles in friable loess. Journal of Geology 76(3): 247-258.
- Lohoefener, R.R. 1997. Personal communication. Deputy Chief, Division of Endangered Species, U.S. Fish and Wildlife Service, Arlington, VA.
- Lowe, C.H., ed. 1964. The vertebrates of Arizona. University of Arizona Press, Tucson, Arizona.
- Lowe, C.H., and F.A. Shannon. 1954. A new lizard (genus Eumeces) from Arizona. Herpetologica 10: 185-187.
- Lowrance, R.R., R.L. Todd, and L.E. Asmussen. 1984b. Nutrient cycling in an agricultural watershed: I. Phreatic movement. Journal of Environmental Quality 13: 22-27.

- Lowrance, R.R., R. Todd, J. Fail, Jr., O. Hendrickson, Jr., R. Leonard, and L. Asmussen. 1984a. Riparian forests as nutrient filters in agricultural watersheds. BioScience 34: 374-377.
- Lumb, A.M., J.L. Kittle, Jr., and K.M. Flynn. 1990. Users manual for ANNIE, a computer program for interactive hydrologic analyses and data management. U.S. Geological Survey Water-Resources Investigations Report 89-4080. U.S. Geological Survey, Reston, Virginia.
- Luttenegger, J.A., and B.R. Hallberg. 1981. Borehole shear test in geotechnical investigations. American Society of Testing Materials Special Publication No. 740.
- Lutton, R.J. 1974. Use of loess soil for modeling rock mechanics. Report S-74-28. U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, Mississippi.
- Lynch, J.A., E.S. Corbett, and W.E. Sopper. 1980.
 Evaluation of management practices on the biological and chemical characteristics of streamflow from forested watersheds. Technical Completion Report A-041-PA. Institute for Research on Land and Water Resources, The Pennsylvania State University, State College.
- Lyons, J., L. Wang, and T.D. Simonson. 1996.
 Development and validation of an index of biotic integrity for coldwater streams in Wisconsin. North American Journal of Fisheries Management 16: 241-56.
- MacArthur, R.H., and J.W. MacArthur. 1961. On bird species diversity. Ecology 42: 594-598.
- MacBroom, J.G. 1981. Open channel design based on fluvial geomorphology. In Water Forum '81, American Society of Civil Engineers, New York, pp. 844-851. References B-17
- MacDonald, L.H., A.W. Smart, and R.C. Wissmar. 1991. Monitoring guidelines to evaluate the effect of forestry activities in streams in the Pacific Northwest. EPA/910/9-91-001. USEPA Region 10, Seattle, Washington.

References B-16r

- Mackenthun, K.M. 1969. The practice of water pollution biology. U.S. Department of the Interior, Federal Water Pollution Control Administration, Division of Technical Support. U.S. Government Printing Office, Washington, DC.
- Macrae, C. 1996. Experience from morphological research on Canadian streams: Is control of the twoyear frequency runoff event the best basis for stream channel protection? In Effects of Foundation Conference Proceedings, Snowbird, Utah, August 4-9, 1996, pp. 144-160.
- Madej, M.A. 1982. Sediment transport and channel changes in an aggrading stream in the Puget Lowland, Washington. U.S. Forest Service General Technical Report PNW-141. U.S. Department of Agriculture, Forest Service.
- Magnuson, J.J., L.B. Crowder, and P.A. Medvick. 1979. Temperature as an ecological resource. American Zoology 19: 331-343.
- Magurran, A.E. 1988. Ecological diversity and its measurement. Princeton University Press, Princeton, New Jersey.
- Malanson, G.P. 1993. Riparian landscapes. Cambridge University Press, Cambridge.
- Manley, P.A., et al. 1995. Sustaining ecosystems: a conceptual framework. USDA Forest Service, Pacific Southwest Region, San Francisco, California.
- Mann, C.C., and M.L. Plummer. 1995. Are wildlife corridors the right path? Science 270: 1428-1430.
- Mannan, R.W., M.L. Morrison, and E.C. Meslow. 1984. The use of guilds in forest bird management. Wildlife Society Bulletin 12: 426-430.
- Maret, T.J. 1985. The effect of beaver ponds in the water quality of Currant Creek, Wyoming. M.S. thesis, University of Wyoming, Laramie. Marion, J.L., and L.C. Merriam. 1985. Predictability of recreational impact on soils. Soil Science Society of America Journal 49: 751-753.
- Martin, C.O., ed. 1986. U.S. Army Corps of Engineers wildlife resources management manual (serial

- technical reports dated 1986-1995). U.S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi.
- Maser, C., and J.R. Sedell. 1994. From the forest to the sea: the ecology of wood in streams, rivers, estuaries, and oceans. St. Lucie Press, Delray Beach, Florida.
- Matthews W.J., and J.T. Styron. 1980. Tolerance of headwater vs. mainstream fishes for abrupt physicochemical changes. American Midland Naturalist 105 149-158.
- May, C., R. Horner, J. Karr, B. Mar, and E. Welch. 1997. Effects of urbanization on small streams in the Puget Sound ecoregion. Watershed Protection Technique 2(4): 483-494.
- McAnally, W.H., and W.A. Thomas. 1985. User's manual for the generalized computer program system, open-channel flow and sedimentation, TABS-2, main text. U.S. Army Corps of Engineers, Waterways Experiment Station, Hydraulics Lab, Vicksburg, Mississippi.
- McClendon, D.D., and C.F. Rabeni. 1987. Physical and biological variables useful for predicting population characteristics of smallmouth bass and rock bass in an Ozark stream. North Am. J. Fish. Manag. 7: 46-56.
- McDonald, L.H., et al. 1991. Monitoring guidelines to evaluate effects of forestry activities on streams in the Pacific Northwest and Alaska. U.S. Environmental Protection Agency, Region 10, Seattle, Washington.
- McGinnies, W.J. 1984. Seeding and planting. In Vegetative rehabilitation and equipment workshop, 38th Annual Report, pp. 23-25. U.S. Forest Service, Rapid City, South Dakota.
- McKeown, B.A. 1984. Fish migration. Timber Press, Beaverton, Oregon. B-18 Stream Corridor
- McLaughlin Water Engineers, Ltd. 1986. Evaluation of and design recommendations for drop structures in the Denver Metropolitan Area. A report prepared for the Denver Urban Drainage and Flood Control District by McLaughlin Water Engineers, Ltd.

References B-17r

- Medin, D.E., and W.P. Clary. 1990. Bird populations in and adjacent to a beaver pond ecosystem and adjacent riparian habitat in Idaho. USDA Forest Service, Intermountain Forest and Range Experiment Station, Ogden, Utah.
- Meffe, G.K., C.R. Carroll, and contributors. 1994.
 Principles of conservation biology. Sinauer
 Associates, Inc., Sunderland, Massachusetts.
 Metropolitan Washington Council of Governments
- (MWCOG). 1997. An existing source assessment of pollutants to the Anacostis watershed, ed. A. Warner, D. Shepp, K. Corish, and J. Galli. Washington, DC.
- Meyer-Peter, E., and R. Muller. 1948. Formulas for bedload transport. In International Association for Hydraulic Structures Research, 2nd Meeting, Stockholm, Sweden, pp. 39-64.
- Milhous, R.T., J.M. Bartholow, M.A. Updike, and A.R. Moos. 1990. Reference manual for generation and analysis of habitat time series— Version II. U.S. Fish and Wildlife Service Biological Report 90(16). U.S. Fish and Wildlife Service.
- Milhous, R.T., M.A. Updike, and D.M. Schneider. 1989. Physical Habitat Simulation System Reference Manual—Version II. Instream Flow Information Paper No. 26. U.S. Fish and Wildlife Service Biological Report 89(16). U.S. Fish and Wildlife Service.
- Miller, J.E. 1983. Beavers. In Prevention and control of wildlife damage, ed. R.M. Timm, pp. B1-B11. Great Plains Agricultural Council and Nebraska Cooperative Extension Service, University of Nebraska, Lincoln.
- Miller, G.T. 1990. Living in the environment: an introduction to environmental science. 6th ed. Wadsworth Publishing Company, Belmont, California.
- Miller, A.C., R.H. King, and J.E. Glover. 1983. Design of a gravel bar habitat for the Tombigbee River near Columbus, Mississippi. Miscellaneous Paper EL-83-1. U.S. Army Corps of Engineers, Waterways Experiment Station, Environmental Laboratory, Vicksburg, Mississippi.
- Mills, W.B., D.B. Porcella, M.J. Ungs, S.B. Gherini, K.V. Summers, L. Mok, G.L. Rupp, G.L. Bowie and D.A.

- Haith. 1985. Water quality assessment: a screening procedure for toxic and conventional pollutants in surface and ground water. EPA/600/6-85/002a-b. U.S. Environmental Protection Agency, Office of Research and Development, Athens, Georgia.
- Minckley, W.L., and M.E. Douglas. 1991. Discovery and extinction of western fishes: a blink of the eye in geologic time. In Battle against extinction: native fish management in the American West, ed. W.L. Minckley and J.E. Deacon, pp. 7-18. University of Arizona Press, Tucson.
- Minshall, G.W. 1978. Autotrophy in stream ecosystems. BioScience 28: 767-771.
- Minshall, G.W. 1984. Aquatic insect-substratum relationships. In The ecology of aquatic insects, ed. V.H. Resh and D.M. Rosenberg, pp. 358-400. Praeger, New York.
- Minshall, G.W., K.W. Cummins, R.C. Petersen, C.E. Cushing, D.A. Bruns, J.R. Sedell, and R.L. Vannote. 1985. Developments in stream ecosystem theory. Canadian Journal of Fisheries and Aquatic Sciences 42: 1045-1055.
- Minshall, G.W., R.C. Petersen, K.W. Cummins, T.L. Bott, J.R. Sedell, C.E. Cushing, and R.L. Vannote. 1983. Interbiome comparison of stream ecosystem dynamics. Ecological Monographs 53: 1-25.
- Molinas, A., and C.T. Yang. 1986. Computer program user's manual for GSTARS (Generalized Stream Tube model for Alluvial River Simulation). U.S. Bureau of Reclamation Engineering and Research Center, Denver, Colorado.
- Montana Department of Environmental Quality (MDEQ). 1996. Montana Streams Management Guide. ed. C. Duckworth and C. Massman. References B-19
- Montgomery, D.R., and J.M.Buffington, 1993. Channel classification, prediction of channel response and assessment of channel condition. Report TFW-SH10-93-002. Department of Geological Sciences and Quaternary Research Center, University of Washington, Seattle.

References B-18r

- Moore, J.S., D.M. Temple, and H.A.D. Kirsten. 1994. Headcut advance threshold in earth spillways. Bulletin of the Association of Engineering Geologists 31(2): 277-280.
- Morin, A., and D. Nadon. 1991. Size distribution of epilithic lotic invertebrates and implications for community metabolism. Journal of the North American Benthological Society 10: 300-308.
- Morris, L.A., A.V. Mollitor, K.J. Johnson, and A.L. Leaf. 1978. Forest management of floodplain sites in the northeastern United States. In Strategies for protection and management of floodplain wetlands and other riparian ecosystems, ed. R.R. Johnson, and J.F. McCormick, pp. 236-242. USDA Forest Service General Technical Report WO-12. U.S. Department of Agriculture, Forest Service.
- Moss, B. 1988. Ecology of fresh waters: man and medium. Blackwell Scientific Publication, Boston.
- Myers, W.R., and J.F. Lyness. 1994. Hydraulic study of a two-stage river channel. Regulated Rivers: Research and Management 9(4): 225-236.
- Naiman, R.J., T.J. Beechie, L.E. Benda, D.R. Berg, P.A. Bisson, L.H. MacDonald, M.D. O'Connor, P.L. Olson, and E.A. Steel. 1994. Fundamental elements of ecologically healthy watersheds in the Pacific northwest coastal ecoregion. In Watershed management, ed. R. Naiman, pp. 127-188. Springer-Verlag, New York.
- Naiman, R.J., J.M. Melillo, and J. E. Hobbie. 1986. Ecosystem alteration of boreal forest streams by streams by beaver (Castor canadensis). Ecology 67(5): 1254-1269.
- Nanson, G.C., and E.J. Hickin. 1983. Channel migration and incision on the Beatton River. Journal of Hydraulic Engineering 109(3): 327-337.
- National Academy of Sciences. 1995. Wetlands: characteristics and boundaries. National Academy Press, Washington, DC.
- National Park Service (NPS). 1995. Final environmental impact statement, Elwha River ecosystem restoration.

- U.S. Department of the Interior, National Park Service, Olympic National Park, Port Angeles, Washington.
- National Park Service (NPS). 1996. Final environmental impact statement, Elwha River ecosystem restoration implementation. U.S. Department of the Interior, National Park Service, Olympic National Park, Port Angeles, Washington.
- National Research Council (NRC). 1983. An evaluation of flood-level prediction using alluvial river models. National Academy Press, Washington, DC.
- National Research Council (NRC). 1992. Restoration of aquatic ecosystems: science, technology, and public policy. National Academy Press, Washington, DC.
- Needham, P.R. 1969. Trout streams: conditions that determine their productivity and suggestions for stream and lake management. Revised by C.F. Bond. Holden-Day, San Francisco.
- Nehlsen, W., J.E. Williams, & J.A. Lichatowich. 1991. Pacific salmon at the crossroads: stocks at risk from California, Oregon, Idaho, and Washington. Fisheries (Bethesda) 16(2): 4-21.
- Nehring, R.B., and R.M. Anderson. 1993. Determination of population-limiting critical salmonid habitats in Colorado streams using the Physical Habitat Simulation System. Rivers 4(1): 1-19.
- Neill, W.M. 1990. Control of tamarisk by cut-stump herbicide treatments. In Tamarisk control in southwestern United States, pp. 91-98. Cooperative National Park Research Studies Unit, Special Report Number 9. School of Renewable Natural Resources, University of Arizona, Tucson.
- Neilson, F.M., T.N. Waller, and K.M. Kennedy. 1991.
 Annotated bibliography on grade control structures.
 Miscellaneous Paper HL-91-4. U.S. Army Corps of Engineers, Waterways Experiment Station, CE, Vicksburg, Mississippi. B-20 Stream Corridor
- Nelson, J.M, and J.D. Smith. 1989. Evolution and stability of erodible channel beds. In River Meandering, ed. S. Ikeda and G. Parker. Water Resources Monograph 12, American Geophysical Union, Washington, DC.

References B-19r

- Nestler, J.M., R.T. Milhouse, and J.B. Layzer. 1989. Instream habitat modeling techniques. Chapter 12 in Alternatives in regulated river management, ed. J.A. Gore and G.E. Petts, Chapter 12. CRC Press, Inc., Boca Raton, Florida.
- Nestler, J., T. Schneider, and D. Latka. 1993. RCHARC: A new method for physical habitat analysis. Engineering Hydrology :294-99.
- Newbury, R.W., and M.N. Gaboury. 1993. Stream analysis and fish habitat design: a field manual.
- Newbury Hydraulics Ltd., Gibsons, British Columbia.
- Nixon, M. 1959. A Study of bankfull discharges of rivers in England and Wales. In Proceedings of the Institution of Civil Engineers, vol. 12, pp. 157-175.
- Noss, R.F. 1983. A regional landscape approach to maintain diversity. BioScience 33: 700-706.
- Noss, R.F. 1987. Corridors in real landscapes: a reply to Simberloff and Cox. Conservation Biology 1: 159-164.
- Noss, R.F. 1991. Wilderness recovery: thinking big in restoration ecology. Environmental Professional 13(3): 225-234. Corvallis, Oregon.
- Noss, R.F. 1994. Hierarchical indicators for monitoring changes in biodiversity. In Principles of conservation biology, G.K. Meffe, C.R. Carroll, et al., pp. 79-80. Sinauer Associates, Inc., Sunderland, Massachusetts.
- Noss, R.F., and L.D. Harris. 1986. Nodes, networks, and MUMs: preserving diversity at all scales. Environmental Management 10(3): 299-309.
- Novotny and Olem. 1994. Water quality, prevention, identification, and management of diffuse pollution. Van Nostrand Reinhold, New York.
- Nunnally, N.R., and F.D. Shields. 1985. Incorporation of environmental features in flood control channel projects. Technical Report E-85-3. U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS.

- Odgaard, J. 1987. Streambank erosion along two rivers in Iowa. Water Resources Research 23(7): 1225-1236.
- Odgaard, J. 1989. River-meander model I: development. Journal of Hydraulic Engineering 115(11): 1433-1450.
- Odum, E.P. 1959. Fundamentals of ecology. Saunders, Philadelphia.
- Odum, E.P. 1971. Fundamentals of ecology, 3d ed. W.B. Saunders Company, Philadelphia, PA. 574 pp.
- Odum, E.P. 1989. Ecology and our endangered lifesupport systems. Sinauer Associates, Inc., Sunderland, Massachusetts.
- Ohio EPA. 1990. Use of biocriteria in the Ohio EPA surface water monitoring and assessment program. Ohio Environmental Protection Agency, Division of Water Quality Planning and Assessment, Columbus, Ohio
- Ohmart, R.D., and B.W. Anderson. 1986. Riparian habitat. In Inventory and monitoring of wildlife habitat, ed. A.Y. Cooperrider, R.J. Boyd, and H.R. Stuart, pp. 169-201. U.S. Department of the Interior, Bureau of Land Management Service Center, Denver, Colorado.
- Olive, S.W., and B.L. Lamb. 1984. Conducting a FERC environmental assessment: a case study and recommendations from the Terror Lake Project. FWS/OBS-84/08. U.S. Fish and Wildlife Service.
- Oliver, C.D., and T.M. Hinckley. 1987. Species, stand structures and silvicultural manipulation patterns for the streamside zone. In Streamside management: forestry and fishery interactions, ed. E.O. Salo and T.W. Cundy, pp. 259-276. Institute of Forest Resources, University of Washington, Seattle. References B-21
- Olson, R., and W.A. Hubert. 1994. Beaver: Water resources and riparian habitat manager. University of Wyoming, Laramie.
- Olson, T.E., and F.L. Knopf. 1986. Agency subsidization of a rapidly spreading exotic. Wildlife Society Bulletin 14: 492-493.

References B-20r

- Omernik, J.M. 1987. Ecoregions of the coterminous United States. Ann. Assoc. Am. Geol. 77(1): 118- 125.
- Orsborn, J.F., Jr., R.T. Cullen, B.A. Heiner, C.M. Garric, and M. Rashid. 1992. A handbook for the planning and analysis of fisheries habitat modification projects. Department of Civil and Environmental Engineering, Washington State University, Pullman.
- Orth, D.J., and R.J. White. 1993. Stream habitat management. Chapter 9 in Inland fisheries management in North America, ed. C.C. Kohler and W.A. Hubert. American Fisheries Society, Bethesda, Maryland.
- Osman, A.M., and C.R. Thorne. 1988. Riverbank stability analysis; I: Theory. Journal of Hydraulic Engineering, ASCE 114(2): 134-150. Pacific Rivers Council. 1996. A guide to the restoration of watersheds and native fish in the pacific northwest, Workbook II, Healing the Watershed series.
- Parker, G. 1978. Self-formed straight rivers with equilibrium banks and mobile bed, 2, the gravel river. Journal of Fluid Mechanics 9(1): 127-146.
- Parker, G. 1982. Discussion of Chapter 19: Regime equations for gravel-bed rivers. In Gravel-bed rivers: fluvial processes, engineering and management, ed. R.D. Hey, J.C. Bathurst, and C.R. Thorne, pp. 542-552. John Wiley and Sons, Chichester, U.K.
- Parker, G. 1990. Surface bedload transport relation for gravel rivers. Journal of Hydraulic Research 28(4): 417-436.
- Parker, M. 1986. Beaver, water quality, and riparian systems. In Wyoming's water doesn't wait while we debate: proceedings of the Wyoming water 1986 and streamside zone conference, pp. 88-94. University of Wyoming, Laramie.
- Parsons, S., and S. Hudson. 1985. Channel crosssection surveys and data analysis. TR-4341-1. U.S. Department of the Interior, Bureau of Land Management Service Center, Denver, Colorado.
- Payne, N.F., and F.C. Bryant. 1994. Techniques for wildlife habitat management of Uplands, New York. McGraw-Hill.

- Pearlstine, L., H. McKellar, and W. Kitchens. 1985. Modelling the impacts of a river diversion on bottomland forest communities in the Santee River floodplain, South Carolina. Ecological Modelling 7: 283-302.
- Peckarsky, B.L. 1985. Do predaceous stoneflies and siltation affect the structure of stream insect communities colonizing enclosures? Canadian Journal of Zoology 63: 1519-1530.
- Pennak, R. W., 1971. Toward a Classification of Lotic Habitats. Hydrobiologia, 38.
- Petersen, M.S. 1986. River engineering. Prentice-Hall, Englewood Cliffs, New Jersey. Pickup, G., and R.F. Warner. 1976. Effects of hydrologic regime on the magnitude and frequency of dominant discharge. Journal of Hydrology 29: 51-75.
- Pielou, E.C. 1993. Measuring biodiversity: quantitative measures of quality. In Our living legacy: Proceedings of a symposium on biological diversity, ed. M.A. Fenger, E.H. Miller, J.A. Johnson, and E.J.R. Williams, pp. 85-95. Royal British Columbia Museum, Victoria. British Columbia.
- Plafkin, J.L., M.T. Barbour, K.D. Porter, S.K. Gross, and R.M. Hughes. 1989. Rapid bioassessment protocols for use in streams and rivers. EPA444/ 4-89-001. U.S. Environmental Protection Agency, Washington, DC.
- Platts, W.S. 1979. Livestock grazing and riparian/ stream ecosystems. In Proceedings of the forum on Grazing and Riparian/Stream Ecosystems, pp. 39-45. Trout Unlimited, Inc., Vienna, Virginia. B-22 Stream Corridor
- Platts, W.S. 1987. Methods for evaluating riparian habitats with applications to management. General Technical Report INT-21. U.S. Department of Agriculture, Forest Service, Intermountain Research Station, Ogden, Utah.
- Platts, W.S. 1989. Compatibility of livestock grazing strategies with fisheries. In Proceedings of an educational workshop on practical approaches to riparian resource management, pp. 103-110. BLM-MT-PT-89-001-4351. U.S. Department of the Interior, Bureau of Land Management, Billings, Montana.

References B-21r

- Platts, W.S., and Rinne. 1985. Riparian and stream enhancement management and research in the Rocky Mountains. North American Journal of Fishery Management 5: 115-125.
- Poff, N., J.D. Allan, M.B. Bain, J.R. Karr, K.L. Prestegaard, B.D. Richter, R.E. Sparks, and J.C. Stromberg. 1997. The natural flow regime: a paradigm for river conservation and restoration. Bioscience (in press).
- Ponce, V.M. 1989. Engineering hydrology: principles and practices. Prentice-Hall, Englewood Cliffs, New Jersey.
- Prichard et al. 1993. rev. 1995. Process for assessing proper conditions. Technical Reference 1737-9. U.S. Department of the Interior, Bureau of Land Management Service Center, Denver, Colorado.
- Rabeni, C.F., and RB. Jacobson. 1993. The importance of fluvial hydraulics for fish-habitat restoration in low-gradient alluvial streams. Freshwater Biology 29: 211-220.
- Rantz, S.E., et al., 1982. Measurement and computation of streamflow. USGS Water Supply Paper 2175, 2 vols. U.S. Geological Survey, Washington, DC.
- Raudkivi, A.J., and S.K. Tan. 1984. Erosion of cohesive soils. Journal of Hydraulic Research 22(4): 217-233.
- Rechard, R.P., and R.G. Schaefer. 1984. Stripmine streambed restoration using meander parameters. In River meandering, Proceedings of the Conference Rivers '83, ed. C.M. Elliot, pp. 306- 317. American Society of Civil Engineers, New York.
- Reiser, D.W., M.P. Ramey, and T.A. Wesche. 1989. Flushing flows. In Alternatives in regulated river management, ed. M.A. Fenger, E.H. Miller, J.A. Johnson, and E.J.R. Williams, pp. 91-135. CRC Press, Boca Raton, Florida.
- Resh, V.H., A.V. Brown, A.P. Covich, M.E. Gurtz, H.W. Li, G.W. Minshall, S.R. Reise, A.L. Sheldon, J.B. Wallace, and R.C. Wissmar. 1988. The role of disturbance in stream ecology. Journal of the North American Benthological Society 7: 433-455.

- Reynolds, C.S. 1992. Algae. In The rivers handbook, vol. 1, ed. P. Calow and G.E. Petts, pp. 195-215.

 Blackwell Scientific Publications, Oxford.
- Richards, K.S. 1982. Rivers: form and process in alluvial channels. Methuen, London.
- Ricklefs, R.E. 1979. Ecology. 2d ed. Chiron Press, New York.
- Ricklefs, R.E. 1990. Ecology. W.H. Freeman, New York.
- Rieger, J.P., and D.A. Kreager. 1990. Giant reed (Arundodonax): a climax community of the riparian zone. In California riparian systems: protection, management, and restoration for the 1990's, tech. coord. D.L. Abel, pp. 222-225.
- Pac. SW. For. and Range Exper. Stat., Berkeley, California.
- Ries, K.G. III. 1994. Estimation of Low-flow duration discharges in Massachusetts. U.S. Geological Survey Water-Supply Paper 2418. U.S. Geological Survey.
- Riggs, H.C., et al., 1980. Characteristics of low flows. Journal of Hydraulic Engineering, ASCE 106(5): 717-731.
- Riley, A.L. 1998. Restoring stream in cities: a guide for planners, policy-makers, and citizens. Ireland Press. References B-23
- Riley, A.L., and M. McDonald. 1995. Urban waterways restoration training manual for Youth and Conservation Corps. National Association of Conservation Corps, Under agreement with the U.S. Environmental Protection Agency, Office of Policy, Planning, and Evaluation and the Natural Resource Conservation Service, Washington, DC.
- Ringelman, J.K. 1991. Managing beaver to benefit waterfowl. Fish and Wildlife Leaflet 13.4.7. U.S. Fish and Wildlife Service, Washington, DC.
- Roberson, J.A., and C.T. Crowe. 1996. Engineering fluid mechanics, 6th ed. John Wiley and Sons, New York. October. ISBN: 0471147354.

References B-22r

- Rodgers, Jr., J.H., K.L. Dickson, and J. Cairns, Jr. 1979. A review and analysis of some methods used to measure functional aspects of periphyton. In Methods and measurements of periphyton communities: a review, ed. R.L. Weitzel. Special publication 690. American Society for Testing and Materials.
- Rood, S.B., and J.M. Mahoney. 1990. Collapse of riparian poplar forests downstream from dams in western prairies: probable causes and prospects for mitigation. Environmental Management 14: 451-464.
- Rosgen, D.L. 1996. Applied river morphology. Wildland Hydrology, Colorado.
- Roy, A.G., and A.D. Abrahams. 1980. Discussion of rhythmic spacing and origin of pools and riffles. Geological Society of America Bulletin 91: 248-250.
- Rudolph, R.R., and C.G. Hunter. 1964. Green trees and greenheads. In Waterfowl tomorrow, ed. J.P. Linduska, pp. 611-618. U.S. Department of the Interior, Fish and Wildlife Service, Washington, DC.
- Ruttner, F. 1963. Fundamentals of limnology. Transl. D.G. Frey and F.E.J. Fry. University of Toronto Press, Toronto.
- Ryan, J., and H. Short. 1995. The Winooski River Watershed evaluation project report. USDA-Natural Resources Conservation Service/ Americorps Program, Williston, Vermont.
- Salo, E.O., and T.W. Cundy. 1987. Streamside management: forestry and fishery interactions. Contribution No. 57. University of Washington Institute of Forest Resources. Seattle.
- Sanders, T.G., R.C. Ward, J.C. Loftis, T.D. Steele, D.D. Adrian, and V. Yevjevich. 1983. Design of networks for monitoring water quality. Water Resources Publications, Littleton, Colorado.
- Sauer, V.B., W.O. Thomas, Jr., V.A. Stricker, and K.V. Wilson. 1983. Flood characteristics of urban watersheds in the United States. U.S. Geological Survey Water-Supply Paper 2207. U.S. Geological Survey.

- Schamberger, M., A.H. Farmer, and J.W. Terrell. 1982. Habitat Suitability Index models: introduction. FWS/OBS-82/10. U.S Department of the Interior, U.S. Fish and Wildlife Service, Washington, DC.
- Schopmeyer, C.S., ed. 1974. Seeds of woody plants in the United States. U.S. Department of Agriculture Agronomy Handbook 450. U.S. Department of Agriculture, Forest Service, Washington, DC.
- Schreiber, K. 1995. Acidic deposition ("acid rain"). In Our living resources: a report to the nation on the distribution, abundance, and health of U.S. plants, animals, and ecosystems, ed. T. LaRoe, G.S. Ferris, C.E. Puckett, P.D. Doran, and M.J. Mac. U.S. Department of the Interior, National Biological Service, Washington, DC.
- Schroeder, R.L., and A.W. Allen. 1992. Assessment of habitat of wildlife communities on the Snake River, Jackson, Wyoming. U.S. Department of the Interior, Fish and Wildlife Service.
- Schroeder, R.L., and S.L. Haire. 1993. Guidelines for the development of community-level habitat evaluation models. Biological Report 8. U.S. Department of the Interior, U.S. Fish and Wildlife Service, Washington, DC.
- Schroeder, R.L., and M.E. Keller. 1990. Setting objectives: a prerequisite of ecosystem management. New York State Museum Bulletin 471:1-4. B-24 Stream Corridor
- Schueler, T. 1987. Controlling urban runoff: a practical manual for planning and designing urban best management practices. Metropolitan Washington Council of Governments, Washington, DC.
- Schueler, T. 1995. The importance of imperviousness. Watershed Protection Techniques 1(3): 100-111.
- Schueler, T. 1996. Controlling cumulative impacts with subwatershed plans. In Assessing the cumulative impacts of watershed development on aquatic ecosystems and water quality, proceedings of 1996 symposium.
- Schuett-Hames, D., A. Pleus, L. Bullchild, and S. Hall, eds. 1993. Timber-Fish-Wildlife ambient monitoring

References B-23r

- program manual. TFW-AM-93-001. Northwest Indian Fisheries Commission, Olympia, Washington.
- Schumm, S.A. 1960. The shape of alluvial channels in relation to sediment type. U.S Geological Survey Professional Paper 352-B. U.S. Geological Survey.
- Schumm, S.A. 1977. The fluvial system. John Wiley and Sons, New York.
- Schumm, S.A., M.D. Harvey, and C.C. Watson. 1984. Incised channels: morphology, dynamics and control. Water Resources Publications, Littleton, Colorado.
- Searcy, J.K. 1959. Manual of hydrology; part 2, Low-flow techniques. U.S. Geological Survey Supply Paper W 1542-A.
- Sedell J.S., G.H. Reeves, F.R. Hauer, J.A. Stanford, and C.P. Hawkins. 1990. Role of refugia in recovery from disturbances: modern fragmented and disconnected river systems. Environmental Management 14: 711-724.
- Sedgwick, J.A., and F.L. Knopf. 1986. Cavity-nesting birds and the cavity-tree resource in plains cottonwood bottomlands. Journal of Wildlife Management 50: 247-252.
- Seehorn, M.E. 1985. Fish habitat improvement handbook. Technical Publication R8-TP 7. U.S. Department of Agriculture Forest Service, Southern Region.
- Severson, K.E. 1990. Summary: livestock grazing as a wildlife habitat management tool. In Can livestock be used as a tool to enhance wildlife habitat? tech coord. K.E. Severson, pp. 3-6. U.S. Department of Agriculture Forest Service, Rocky Mountain Forest and Range Experiment Station General Technical Report RM-194.
- Shampine, W.J., L.M. Pope, and M.T. Koterba. 1992. Integrating quality assurance in project work plans of the United States Geological Survey. United States Geological Survey Open-File Report 92- 162.
- Shaver, E., J. Maxted, G. Curtis and D. Carter. 1995. Watershed protection using an integrated approach. In Proceedings from Stormwater NPDES-related

- Monitoring Needs, ed. B. Urbonas and L. Roesner, pp. 168-178. Engineering Foundation Conference, Crested Butte, Colorado, August 7-12, 1994.
- Shear, T.H., T.J. Lent, and S. Fraver. 1996. Comparison of restored and mature bottomland hardwood forests of Southwestern Kentucky. Restoration Ecology 4(2): 111-123.
- Shelton, L.R. 1994. Field guide for collecting and processing stream-water samples for the National Water Quality Assessment Program. U.S. Geological Survey Open-File Report 94-455.
- Shelton, L.R., and P.D. Capel. 1994. Field guide for collecting and processing samples of stream bed sediment for the analysis of trace elements and organic contaminants for the National Water Quality Assessment Program. U.S. Geological Survey Open-File Report 94-458.
- Shields, F.D., Jr. 1983. Design of habitat structures for open channels. Journal of Water Resources Planning and Management 109(4): 331-344.
- Shields, F.D., Jr. 1987. Management of environmental resources of cutoff bends along the Tennessee-Tombigbee Waterway. Final report. Miscellaneous Paper EL-87-12. U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, Mississippi. References B-25
- Shields, F.D., Jr. 1988. Effectiveness of spur dike notching. Hydraulic engineering: proceedings of the 1988 national conference, ed. S.R. Abt and J. Gessler, 334-30.1256. American Society of Civil Engineers, New York.
- Shields, F.D., Jr. 1991. Woody vegetation and riprap stability along the Sacramento River Mile 84.5-119. Water Resources Bulletin 27: 527-536.
- Shields, F.D., Jr., and N.M. Aziz. 1992. Knowledge-based system for environmental design of stream modifications. Applied Engineering Agriculture, ASCE 8(4): 553-562.
- Shields, F.D., Jr., A.J. Bowie, and C.M. Cooper. 1995.
 Control of streambank erosion due to bed degradation

References B-24r

- with vegetation and structure. Water Resources Bulletin 31(3): 475-489.
- Shields, F.D., Jr., and J.J. Hoover. 1991. Effects of channel restabilization on habitat diversity, Twentymile Creek, Mississippi. Regulated Rivers: Research and Management (6): 163-181.
- Shields, F.D., Jr., S.S. Knight, and C.M. Cooper. 1994. Effects of channel incision on base flow stream habitats and fishes. Environmental Management 18: 43-57.
- Short, H.L. 1983. Wildlife guilds in Arizona desert habitats. U.S. Bureau of Land Management Technical Note 362. U.S. Department of the Interior, Bureau of Land Management.
- Simberloff, D., and J. Cox. 1987. Consequences and costs of conservation corridors. Conservation Biology 1: 63-71.
- Simmons, D., and R. Reynolds. 1982. Effects of urbanization on baseflow of selected south shore streams, Long Island, NY. Water Resources Bulletin 18(5): 797-805.
- Simon, A. 1989a. A model of channel response in distributed alluvial channels. Earth Surface Processes and Landforms 14(1): 11-26.
- Simon, A. 1989b. The discharge of sediment in channelized alluvial streams. Water Resources Bulletin, American Water Resources Association 25 (6): 1177-1188. December.
- Simon, A. 1992. Energy, time, and channel evolution in catastrophically disturbed fluvial systems. In Geomophic systems: geomorphology, ed. J.D. Phillips and W.H. Renwick, vol. 5, pp. 345-372.
- Simon, A. 1994. Gradation processes and channel evolution in modified west Tennessee streams: process, response, form. U.S. Government Printing Office, Denver, Colorado. U.S. Geological Survey Professional Paper 1470.
- Simon, A., and P.W. Downs. 1995. An interdisciplinary approach to evaluation of potential instability in alluvial channels. Geomorphology 12: 215-32.

- Simon, A., and C.R. Hupp. 1992. Geomorphic and vegetative recovery processes along modified stream channels of West Tennessee. U.S. Geological Survey Open-File Report 91-502.
- Simons, D.B., and M.L. Albertson. 1963. Uniform water conveyance channels in alluvial material. Transactions of the American Society of Civil Engineers (ASCE) 128(1): 65-167.
- Simons, D.B., and F. Senturk. 1977. Sediment transport technology. Water Resources Publications, Fort Collins. Colorado.
- Skagen. Unpublished data, U.S. Geological Survey, Biological Resources Division, Fort Collins, Colorado.
- Skinner, Q.D., J.E. Speck, Jr., M. Smith, and J.C. Adams. 1984. Stream quality as influenced by beavers within grazing systems in Wyoming. Journal of Range Management 37: 142-146.
- Smith, D.S., and P.C. Hellmund. 1993. Ecology of greenways: design and function of linear conservation areas. University of Minnesota Press, Minnesota.
- Smith, B.S., and D. Prichard. 1992. Management techniques in riparian areas. BLM Technical Reference 1737-6. U.S. Department of the Interior, Bureau of Land Management.
- Smock, L.A., E. Gilinsky, and D.L. Stoneburner. 1985.
 Macroinvertebrate production in a southeastern United
 States blackwater stream. Ecology 66: 1491-1503. B26 Stream Corridor
- Sparks, R. 1995. Need for ecosystem management of large rivers and their flooodplains. BioScience 45(3): 170.
- Spence, B.C., G.A. Lomnscky, R.M. Hughes, and R.P. Novitski . 1996. An ecosystem approach to salmonid conservation. TR-4501-96-6057. ManTech Environmental Research Services Corp., Corvallis, Oregon. (Available from the National Marine Fisheries Service, Portland, Oregon.)

References B-25r

- Stamp, N., and R.D. Ohmart. 1979. Rodents of desert shrub and riparian woodland habitats in the Sonoran Desert. Southwestern Naturalist 24: 279.
- Stalnaker, C.B., K.D. Bovee, and T.J. Waddle. 1996. Importance of the temporal aspects of habitat hydraulics to fish population studies. Regulated Rivers: Research and Management 12: 145-153.
- Stanford J.A., and J.V. Ward. 1988. The hyporheic habitat of river ecosystems. Nature 335: 64-66.
- Stanley, E.H., S.G. Fisher, and N.B. Grimm. 1997. Ecosytem expansion and contraction in streams. Bioscience 47(7): 427-435.
- Stanley, S.J., and D.W. Smith. 1992. Lagoons and ponds. Water Environment Research 64(4): 367-371, June.
- Statzner, B., and B. Higler. 1985. Questions and comments on the river continuum concept. Can. J. Fish. Aquat. Sci. 42: 1038-1044.
- Stauffer, D.F., and L.B. Best. 1980. Habitat selection by birds of riparian communities: evaluating effects of habitat alterations. Journal of Wildlife Management 44(1): 1-15.
- Stednick, J.D. 1991. Wildland water quality sampling and analysis. Academic Press, San Diego.
- Steinman, A.D., C.D. McIntire, S.V. Gregory, G.A. Lamberti, and L.R. Ashkenas. 1987. Effects of herbivore type and density on taxonomic structure and physiognomy of algal assemblages in laboratory streams. Journal of the North American Benthology Society 6: 175-188.
- Stevens, L.E., B.T. Brown, J.M. Simpson, and R.R. Johnson. 1977. The importance of riparian habitat to migrating birds. In Proceedings of the Symposium on Importance, Preservation and Management of Riparian Habitat, tech coord. R.R. Johnson and D.A. Jones, pp. 154-156. U.S. Department of Agriculture Forest Service General Technical Report RM-43, Rocky Mountain Forest and Range Experimental Station, Ft. Collins, Colorado.

- Stoner, R., and T. McFall. 1991. Woods roads: a guide to planning and constructing a forest roads system. U.S. Department of Agriculture, Soil Conservation Service, South National Technical Center, Fort Worth, Texas.
- Strahler, A.N. 1957. Quantitative analysis of watershed geomorphology. American Geophysical Union Transactions 38: 913-920.
- Strange, T.H., E.R. Cunningham, and J.W. Goertz. 1971. Use of nest boxes by wood ducks in Mississippi. Journal of Wildlife Management 35: 786-793.
- Sudbrock, A. 1993. Tamarisk control 1: fighting back—an overview of the invasion, and a low-impact way of fighting it. Restoration and Management Notes 11: 31-34.
- Summerfield, M., 1991. Global geomorphology. Longman, Harlow.
- Svejcar, T.J., G.M. Riegel, S.D. Conroy, and J.D. Trent. 1992. Establishment and growth potential of riparian shrubs in the northern Sierra Nevada. In Symposium on Ecology and Management of Riparian Shrub Communities. USDA Forest Service General Technical Report INT-289. U.S. Department of Agriculture, Forest Service.
- Swanson, S. 1989. Using stream classification to prioritize riparian rehabilitation after extreme events. In Proceedings of the California Riparian Systems Conference, pp. 96-101. U.S. Department of Agriculture, Forest Service General Technical Report PSW-110. References B-27
- Sweeney, B.W. 1984. Factors influencing life-history patterns of aquatic insects. In The ecology of aquatic insects, ed. V.H. Resh and D.M. Rosenberg, pp. 56-100. Praeger, New York.
- Sweeney, B.W. 1992. Streamside forests and the physical, chemical, and trophic characteristics of piedmont streams in eastern North America. Water Science Technology 26: 1-12.
- Sweeney, B.W. 1993. Effects of streamside vegetation on macroinvertebrate communities of White Clay Creek in eastern North America. Stroud Water Resources Center, Academy of Natural Sciences.

References B-26r

- Proceedings of the Academy of Natural Sciences, Philadelphia 144: 291-340.
- Swenson, E.A., and C.L. Mullins. 1985. Revegetation riparian trees in southwestern floodplains. In Riparian ecosystems and their management: reconciling conflicting uses, coord. R.R. Johnson, C.D. Ziebell, D.R. Patton, P.F. Ffolliot, and R.H. Hamre, pp. 135-139. First North American Riparian Conference, USDA Forest Service General Technical Report RM-120. Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colorado.
- Szaro,R. C. 1989. Riparian forest and scrubland community types of Arizona and New Mexico. Desert Plants 9.
- Tarquin, P.A., and L.D. Baeder. 1983. Stream channel reconstruction: the problem of designing lower order streams. In Proceedings of Symposium on Surface Mining, Hydrology, Sedimentology and Reclamation, pp. 41-46.
- Telis, P.A. 1991. Low-flow and flow-duration characteristics of Mississippi streams. U.S. Geological Survey Water-Resources Investigations Report 90-4087.
- Temple, D.M., and J.S. Moore. 1997. Headcut advance prediction for earth spillways. Transactions ASAE 40(3): 557-562.
- Terrell, J.W., and J. Carpenter, eds. In press. Selected Habitat Suitability Index model evaluations. Information and Technology Report, U.S Department of the Interior, Washington, DC.
- Teskey, R.O., and T.M. Hinckley. 1978. Impact of water level changes on woody riparian and wetland communities, vols. I, II, and III. FWS/ OBS-77/58, -77/59, and -77/60. U.S. Department of Agriculture, Fish and Wildlife Service.
- Theurer, F.D., K.A. Voos, and W.J. Miller. 1984. Instream water temperature model. Instream Flow Information Paper No. 16. USDA Fish and Wildlife Service, Cooperative Instream Flow Service Group, Fort Collins. Colorado.

- Thomann, R.V., and J.A. Mueller. 1987. Principles of surface water quality modeling and control. Harper & Row. New York.
- Thomas, J.W. ed. 1979. Wildlife habitat in managed forests: the Blue Mountain of Oregon and Washington. Ag. Handbook 553. U.S. Department of Agriculture Forest Service.
- Thomas and Bovee. 1993. Application and testing of a procedure to evaluate transferability of habitat suitability criteria. Regulated Rivers Research and Management 8(3): 285-294, August 1993.
- Thomas, W.A., R.R. Copeland, N.K. Raphelt, and D.N. McComas. 1993. User's manual for the hydraulic design package for channels (SAM). Draft report. U.S. Army Corps of Engineers Waterways Experiment Station, Vicksburg, Mississippi.
- Thorne, C.R. 1992. Bend scour and bank erosion on the meandering Red River, Louisiana. In Lowland floodplain rivers: geopmorphological perspectives, ed. P.A. Carling and G.E. Petts, pp. 95-115. John Wiley and Sons, Ltd., Chichester, U.K.
- Thorne, C.R., S.R. Abt, F.B.J. Barends, S.T. Maynord, and K.W. Pilarczyk. 1995. River, coastal and shoreline protection: erosion control using riprap and armourstone. John Wiley and Sons, Ltd., Chichester, UK.
- Thorne, C.R., R.G. Allen, and A. Simon. 1996.
 Geomorphological river channel reconnaissance for river analysis, engineering and management.
 Transactions of the Institute for British Geography 21: 469-483.
- Thorne, C.R., H.H. Chang, and R.D. Hey. 1988.

 Prediction of hydraulic geometry of gravel-bed streams using the minimum stream power concept. In Proceedings of the International Conference on River Regime, ed. W.R. White. John Wiley and Sons, New York. B-28 Stream Corridor
- Thorne, C.R., J.B. Murphey, and W.C. Little. 1981. Bank stability and bank material properties in the bluffline streams of Northwest Mississippi. Appendix D, Report to the Corps of Engineers Vicksburg District under

References B-27r

- Section 32 Program, Work unit 7, USDA-ARS Sedimentation Laboratory, Oxford, Mississippi.
- Thorne, C.R., and A.M. Osman. 1988. River bank stability analysis II: applications. Journal of Hydraulic Engineering 114(2): 151-172.
- Thorne, C.R., and L.W. Zevenbergen. 1985. Estimating mean velocity in mountain rivers. Journal of Hydraulic Engineering, ASCE 111(4): 612-624.
- Thumann, A., and R.K. Miller. 1986. Fundamentals of noise control engineering. The Fairmont Press, Atlanta.
- Tiner, R. 1997. Keys to landscape position and landform descriptors for United States wetlands (operational draft). U.S. Fish and Wildlife Service, Northwest Region, Hadley, Massachusetts.
- Tiner, R., and Veneman. 1989. Hydric soils of New England. Revised Bulletin C-183R. University of Massachusetts Cooperative Extension, Amherst, Massachusetts.
- Toffaleti, F.B. 1968. A procedure for computation of the total river sand discharge and detailed distribution, bed to surface. U.S. Army Engineers Waterways Experiment Station Technical Report No. 5. Committee on Channel Stabilization.
- Tramer, E.J. 1969. Bird species diversity: components of Shannon's formula. Ecology 50(5): 927- 929.
- Tramer, E.J. 1996. Riparian deciduous forest. Journal of Field Ornithology 67(4)(Supplement): 44.
- Trimble, S. 1997. Contribution of stream channel erosion to sediment yield from an urbanizing watershed. Science 278: 1442-1444.
- United States Army Corps of Engineers (USACE). 1989a. Engineering and design: environmental engineering for local flood control channels. Engineer Manual No. 1110-2-1205. Department of the Army, United States Army Corps of Engineers, Washington, DC.
- United States Army Corps of Engineers (USACE). 1989b. Sedimentation investigations of rivers and reservoirs.

- Engineer Manual No. 1110-2- 4000. Department of the Army, United States Army Corps of Engineers, Washington, DC.
- United States Army Corps of Engineers (USACE). 1989c.
 Demonstration erosion control project. General Design
 Memorandum No. 54 (Reduced Scope), Appendix A.
 Vicksburg District, Vicksburg, Mississippi.
- United States Army Corps of Engineers (USACE). 1990. Vicksburg District systems approach to watershed analysis for demonstration erosion control project, Appendix A. Demonstration Erosion Control Project Design Memorandum No. 54. Vicksburg District, Vicksburg, Mississippi.
- United States Army Corps of Engineers (USACE). 1991. Hydraulic design of flood control channels. USACE Headquarters, EM1110-2- 1601, Washington, DC.
- United States Army Corps of Engineers (USACE). 1993.
 Demonstration erosion control project Coldwater River watershed. Supplement I to General Design Memorandum No. 54. Vicksburg District, Vicksburg, Mississippi.
- United States Army Corps of Engineers (USACE). 1994.
 Analyzing employment effects of stream restoration investments. Report CPD-13. Prepared by Apogee Research, Inc.; U.S. Environmental Protection Agency, Washington, DC; US Army Corps of Engineers, Institute for Water Resources, Alexandria, Virginia.
- United States Department of the Interior, Bureau of Reclamation (USDI-BOR). 1997. Water measurement manual. A Water Resources Technical Publication. U.S. Government Printing Office, Washington, DC. References B-29
- United States Department of Agriculture, Soil
 Conservation Service. (USDA-SCS). 1977. Adapted
 from Figure 6-14 on page 6-26 in U.S. Department of
 Agriculture, Soil Conservation Service 1977. Technical
 Release No. 25 Design of open flow channels. 247 pp.
 Figure 6-14 on page 6-26 was adapted from Lane,
 E.W. 1952, U.S. Bureau of Reclamation. Progress
 report on results of studies on design of stable
 channels. Hydrauic Laboratory Report No. HYD-352.

References B-28r

- United States Department of Agriculture, Soil Conservation Service. (USDA-SCS). 1983. Selected statistical methods. In National engineering handbook, Section 4. Hydrology, Chapter 18.
- United States Department of Agriculture, Natural Resources Conservation Service (USDA-NRCS). Field office technical guide. (Available at NRCS county field office locations.)
- United States Department of Agriculture, Natural Resources Conservation Service (USDA-NRCS). 1992. Soil bioengineering for upland slope protection and erosion reduction. In Engineering field handbook, Part 650, Chapter 18.
- United States Department of Agriculture, Natural Resources Conservation Service (USDA-NRCS). 1994. Unpublished worksheet by Lyle Steffen, NRCS, Lincoln, NE.
- United States Department of Agriculture, Natural Resources Conservation Service (USDA-NRCS). 1996a. Streambank and shoreline protection. In Engineering field handbook, Part 650, Chapter 16.
- United States Department of Agriculture, Natural Resources Conservation Service (USDA-NRCS). 1996b. America's private land—A geography of hope. U.S. Department of Agriculture, Washington, DC. Program Aid 1548.
- United States Department of Agriculture, Natural Resources Conservation Service (USDA-NRCS). 1998. Stream visual assessment protocol (draft). National Water and Climate Data Center, Portland, Oregon.
- United States Environmental Protection Agency (USEPA). 1979. Handbook for analytic quality control in water and wastewater laboratories. EPA-600/4-79-019. U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Cincinnati, Ohio.
- United States Environmental Protection Agency (USEPA). 1983a. Interim guidelines and specifications for preparing quality assurance plans. QAMS-004/80, EPA-600/8-83-024. U.S. Environmental Protection Agency, Washington, DC.

- United States Environmental Protection Agency (USEPA). 1983b. Interim guidelines and specifications for preparing quality assurance project plans. QAMS-005/80, EPA-600/4-83-004. U.S. Environmental Protection Agency, Washington, DC.
- United States Environmental Protection Agency (USEPA). 1986a. Ambient water quality criteria for dissolved oxygen. EPA 440/5-86/003. Miscellaneous Report Series. U.S. Environmental Protection Agency, Washington, DC.
- United States Environmental Protection Agency (USEPA). 1986b. Quality criteria for water 1986. EPA 440/5/86-001. U.S. Environmental Protection Agency, Office of Water Regulations and Standards, Washington, DC.
- United States Environmental Protection Agency (USEPA). 1989. Sediment classification methods compendium. Draft final report. U.S. Environmental Protection Agency, Office of Water, Washington, DC.
- United States Environmental Protection Agency (USEPA). 1992. Storm water sampling guidance document. U.S. Environmental Protection Agency, Washington, DC.
- United States Environmental Protection Agency (USEPA). 1993. Watershed protection: catalog of federal programs. EPA841-B-93-002. U.S. Environmental Protection Agency, Office of Wetlands, Oceans and Watersheds, Washington, DC. B-30 Stream Corridor United States Environmental Protection Agency (USEPA). 1995a. Ecological restoration: a tool to manage stream quality. U.S. Environmental Protection Agency, Washington, DC.
- United States Environmental Protection Agency (USEPA). 1995b. Volunteer stream monitoring: a method manual. EPA841-D-95-001. U.S. Environmental Protection Agency, Washington, DC.
- United States Environmental Protection Agency (USEPA). 1997. The quality of our nation's water: 1994. EPA841R95006. U.S. Environ-mental Protection Agency, Washington, DC.

References B-29r

- United States Fish and Wildlife Service (USFWS). 1997.
 A system for mapping riparian areas in the Western
 United States. National Wetlands Inventory.
 Washington, DC. December.
- United States Fish and Wildlife Service (USFWS). 1980.
 Habitat Evaluation Procedures (HEP) (ESM 102). U.S.
 Department of the Interior, Fish and Wildlife Service,
 Washington, DC.
- United States Fish and Wildlife Service (USFWS). 1981. Standards for the development of Habitat Suitability Index models (ESM 103). U.S. Department of the Interior, Fish and Wildlife Service, Washington, DC.
- United States Forest Service. 1965. Range seeding equipment handbook. U.S. Forest Service, Washington, DC.
- van Der Valk, A.G. 1981. Succession in wetlands: a Gleasonian approach. Ecology 62: 688-696.
- Van Haveren, B.P. 1986. Management of instream flows through runoff detention and retention. Water Resources Bulletin WARBAQ 22(3): 399-404.
- Van Horne, B. 1983. Density as a misleading indicator of habitat quality. Journal of Wildlife Management 47: 893-901.
- Van Winkle, W., H.I. Jager, and B.D. Holcomb. 1996. An individual-based instream flow model for coexisting populations of brown and rainbow trout. Electric Power Research Institute Interim Report TR-106258. Electric Power Research Institute.
- Vannote, R.L., G.W. Minshall, K.W. Cummins, J.R. Sedell, and C. E. Cushing. 1980. The River Continuum Concept. Canadian Journal of Fisheries and Aquatic Sciences 37(1): 130-137.
- Vanoni, V.E., ed. 1975. Sedimentation engineering. American Society of Civil Engineers, New York.
- Verner, J. 1984. The guild concept applied to management of bird populations. Environmental Management 8: 1-14.
- Verner, J. 1986. Future trends in management of nongame wildlife: A researcher's viewpoint. In

- Management of nongame wildlife in the Midwest: a developing art, ed. J.B. Hale, L.B. Best, and R.I. Clawson, pp. 149-171. Proceedings of the 47th Midwest Fish and Wildlife Conference, Grand Rapids, Michigan.
- Vogel, R.M. and C.N. Kroll. 1989. Low-flow frequency analysis using probability-plot correlation coefficients. Journal of Water Resources Planning and Management, ASCE 115 (3): 338-357.
- von Haartman, L. 1957. Adaptations in hole nesting birds. Evolution 11: 339-347.
- Walburg, C.H. 1971. Zip code H2O. In Sport Fishing USA, ed. D. Saults, M. Walker, B. Hines, and R.G. Schmidt. U.S. Department of the Interior, Bureau of Sport Fisheries and Wildlife, Fish and Wildlife Service. U.S. Government Printing Office, Washington, DC.
- Wallace, J.B., and M.E. Gurtz. 1986. Response of Baetis mayflies (Ephemeroptera) to catchment logging. American Midland Naturalist 115: 25-41.
- Walters, M.A., R.O. Teskey, and T.M. Hinckley. 1978. Impact of water level changes on woody riparian and wetland communities, vols. VII and VIII. FWS/OBS-78/93, and -78/94. Fish and Wildlife Service.
- Ward, J.V. 1985. Thermal characteristics of running waters. Hydrobiologia 125: 31-46.
- Ward, J.V. 1989. The four-dimensional nature of lotic ecosystems. Journal of the Northern American Benthological Society 8: 2-8. References B-31
- Ward, J.V. 1992. Aquatic insect ecology. 1. Biology and habitat. John Wiley and Sons, New York.
- Ward, J.V., and J.A. Standford. 1979. Riverine Ecosystems: the influence of man on catchment dynamics and fish ecology. In Proceedings of the International Large River Symposium. Can. Spec. Publ. Fish. Aquat. Sci. 106: 56-64.
- Ward, R.C., J.C. Loftis, and G.B. McBride. 1990. Design of water quality monitoring systems. Van Nostrand Reinhold, New York.

References B-30r

- Weitzel, R.L. 1979. Periphyton measurements and applications. In Methods and measurements of periphyton communities: a review, ed. R.L.
- Weitzel. Special publication 690. American Society for Testing and Material.
- Welsch, D.J. 1991. Riparian forest buffers: Function and design for protection and enhancement of water resources. USDA Forest Service, Northeastern Area State and Private Forestry Publication No. NA-PR-07-91. U.S. Department of Agriculture Forest Service, Radnor, Pennsylvania.
- Wenger, K.F., ed. 1984. Forestry handbook. 2d ed. Section 15, Outdoor recreation management, pp. 802-885. John Wiley and Sons, New York.
- Wesche, T.A. 1985. Stream channel modifications and reclamation structures to enhance fish habitat.

 Chapter 5 in The restoration of rivers and streams, ed. J.A. Gore. Butterworth, Boston.
- Wetzel, R.G. 1975. Limnology. W.B. Saunders Co., Philadelphia. Pennsylvania.
- Wharton, C.H., W.M. Kitchens, E.C. Pendleton, and T.W. Sipe. 1982. The ecology of bottomland hardwood swamps of the Southeast: a community profile. FWS/OBS-81/37. U.S. Fish and Wildlife Service, Biological Services Program, Washington, DC.
- Wharton, G. 1995. The channel-geometry methods: guidelines and applications. Earth Surface Processes and Landforms 20(7): 649-660.
- White, R.J., and O.M. Brynildson. 1967. Guidelines for management of trout stream habitat in Wisconsin. Technical Bulletin 39. Department of Natural Resources, Madison, Wisconsin.
- White, W.R., R. Bettess, and E. Paris. 1982. Analytical approach to river regime. Proceedings of the ASCE. Journal of the Hydraulics Division 108(HYLO): 1179-1193.
- White, W.R., E. Paris, and R. Bettess. 1981. Tables for the design of stable alluvial channels. Report IT208. Hydraulics Research Station, Wallingford.

- Whitlow, T.H., and R.W. Harris. 1979. Flood tolerance in plants: a state-of-the-art review. Environmental and Water Quality Operational Studies, Technical Report E-79-2. U.S. Army Corps of Engineers Waterways Experiment Station, Vicksburg, Mississippi.
- Wilde, Franceska. 1997. Personal communication.
- Williams, D.T., and P.Y. Julien. 1989. Examination of stage-discharge relationships of compound/ composite channels. In Channel flow and catchment runoff: Proceedings of the International Conference for Centennial of Manning's Formula and Kuichling's Rational Formula, University of Virginia, ed. B.C. Yen, pp. 478-488.
- Williams, G.W. 1978. Bankfull discharge of rivers. Water Resources Research 14: 1141-1154.
- Williams, G.W. 1986. River meanders and channel size. Journal of Hydrology 88: 147-164.
- Williams, and M.G. Wolman. 1984. Downstream effects of dams on alluvial rivers. U.S. Geological Survey Professional Paper 1286.
- Williamson, S.C., J.M. Bartholow, and C.B Stalnaker. 1993. Conceptual model for quantifying pre-smolt production from flow-dependent physical habitat and water temperature. Regulated Rivers: Research and Management 8: 15-28.
- Wilson, K.V., and D.P. Turnipseed. 1994. Geomorphic response to channel modifications of Skuna River at the State Highway 9 crossing at Bruce, Calhoun County, Mississippi. U.S. Geological Survey Water-Resources Investigations Report 94-4000. B-32 Stream Corridor
- Wilson, M.F., and S.W. Carothers. 1979. Avifauna of habitat islands in the Grand Canyon. SW Nat. 24:563-576.
- Wolman, M.G. 1954. A method of sampling coarse riverbed material. Transactions of the American Geophysical Union 35(6): 951-956.
- Wolman, M.G. 1955. The natural channel of Brandywine Creek, Pennsylvania. U.S Geological Survey Professional Paper No. 271.

References B-31r

- Wolman, M.G. 1964. Problems posed by sediments derived from construction activities in Maryland. Maryland Water Pollution Control Commission. January.
- Wolman, M.G. and L. B. Leopold. 1957. River flood plains: some observations on their formation. USGS Professional Paper 282C.
- Wolman, M.G. and J. P. Miller. 1960. Magnitude and frequency of forces in geomorphic process. Journal of Geology 68: 54-74.
- Woodyer, K.D. 1968. Bankfull frequency in rivers. Journal of Hydrology 6: 114-142.
- Yalin, M.S. 1971. Theory of hydraulic models. MacMillan. London.
- Yang, C.T. 1971. Potential energy and stream morphology. Water Resources Research 7(2): 311-322.
- Yang, C.T. 1973. Incipient motion and sediment transport. Proceedings of the American Society of Civil Engineers, Journal of Hydraulic Division 99 (HY10, Proc. Paper 10067.): 1679-1704.
- Yang, C.T. 1983. Minimum rate of energy dissipation and river morphology. In proceedings of D.B. Simons Symposium on Erosion and Sedimentation, Colorado State University, Fort Collins, Colorado, 3.2-3.19.
- Yang, C.T. 1984. Unit stream power equation for gravel. Proc. Am. Soc. Civ. Engrs, J. Hydaul. Div. 110(HY12): 1783-1797.
- Yang, C.T. 1996. Sediment transport theory and practice. The McGraw-Hill Companies, Inc. New York.
- Yang, C.T., and C.S. Song. 1979. Theory of minimum rate of energy dissipation. Proc. Am. Soc. Civ. Engrs, J. Hydaul. Div., 105(HY7): 769-784.
- Yang, C.T., and J.B. Stall. 1971. Note on the map scale effect in the study of stream morphology. Water Resources Research 7(3): 709-712.

- Yang, C.T., and J.B. Stall. 1973. Unit Stream Power in Dynamic Stream Systems, Chapter 12 in Fluvial Geomorphology, ed. M. Morisawa. A proceeding volume of the Fourth Annual Geomorphology Symposia Series, State University of New York, Binghamton.
- Yang, C.T., M.A. Trevino, and F. J.M. Simoes. 1998. Users Manual for GSTARS 2.0 (Generalized Stream Tube Model for Alluvial River Simulation version 2.0). U.S. Bureau, Technical Service Center, Denver, Colorado.
- Yoakum, J., W.P. Dasmann, H.R. Sanderson, C.M. Nixon, and H.S. Crawford. 1980. Habitat improvement techniques. In Wildlife management techniques manual, 4th ed., rev., ed. S.D. Schemnitz, pp. 329-403. The Wildlife Society, Washington, DC.
- Yorke, T.H., and W.J. Herb. 1978. Effects of urbanization on streamflow and sediment transport in the Rock Creek and Anacostia River Basins, Montgomery County, Maryland 1962-74. U.S. Geological Survey Professional Paper 1003. U.S. Geological Survey.
- Yuzyk, T.R. 1986. Bed material sampling in gravel-bed streams. Report IWD-HQ-WRB-SS-86-8. Environment Canada, Inland Waters Directorate, Water Resources Branch, Sediment Survey Section.
- Zalants, M.G. 1991. Low-flow frequency and flow duration of selected South Carolina streams through 1987. U.S. Geological Survey Water-Resources Investigations Report 91-4170. U.S. Geological Survey.

References B-32r